
Micro
Informatique
Standards AMSTRAD
CPC
plus
SPECIAL
JEUX
M 2604 - 23 - 17,00 F-RD
AOUT-SEPTEMBRE – Bimestriel de CPC Plus

EDITO

Une nouvelle formule pour le CPC hors-série qui devient un bimestriel consacré aux aspects techniques de la programmation du CPC et du CPC Plus.
Pour ce numéro, il n'y aura pas de grands changements puisque les fanas de listings vont pouvoir se régaler avec 6 jeux sélectionnés par la rédaction.
Dès le prochain numéro, vous trouverez de nouvelles rubriques avec des routines courtes et d'autres listings plus conséquents.
Rendez-vous en octobre !

LA REDACTION

SOMMAIRE



Couverture : Dungeon Master (FTL)



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Terminal NMPP E83
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AMSTRAD est une marque déposée.
CPC Plus est une revue bimestrielle totalement indépendante d'AMSTRAD GB et d'AMSTRAD FRANCE.







Claude LE MOULLEC

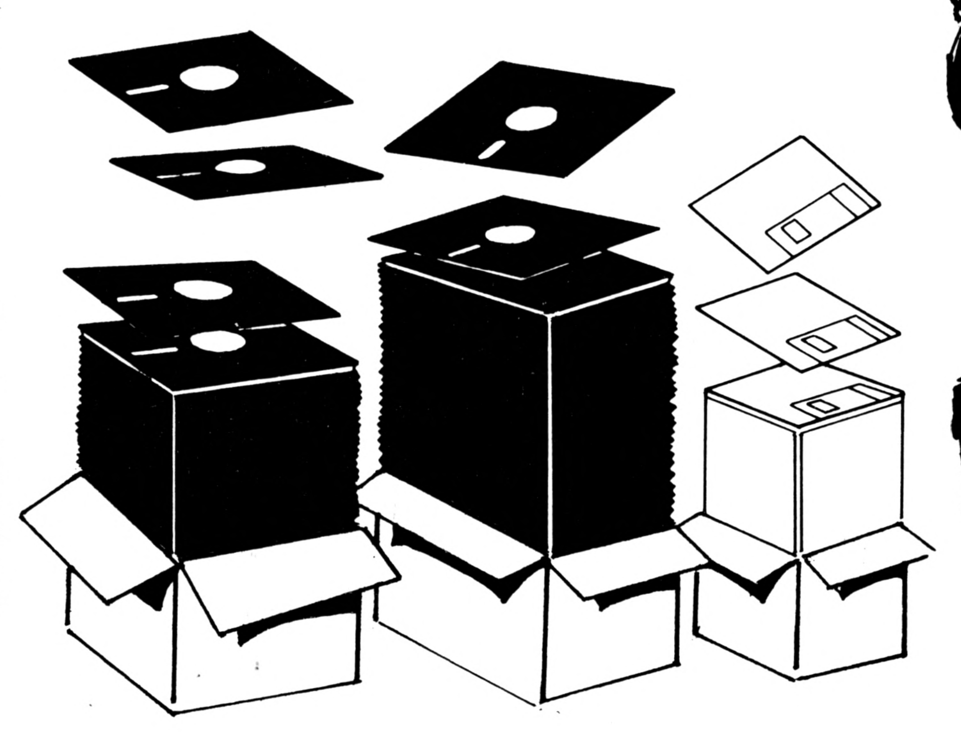
Valable pour CPC 464 – 6128

Travailler pendant les vacances, c'est inhumain ! Vous devez ranger les caisses avant de pouvoir vous reposer. Utilisez les bulles de chewing-gum pour amortir les caisses.

Le jeu se présente sous forme de deux fichiers.

BOULOT : fichier Basic corps principal du jeu.

BOULDATA : fichier Basic contenant les datas des sprites et routines en LM. Ce fichier, une fois lancé, sauvegarde automatiquement un fichier binaire "BOULBIN". Pour les 464 K7, BOULBIN devra donc se trouver à la suite du fichier BOULOT.



```
10 REM :::::::::::::::::::::::::: >BL
20 REM :                        : >ED
30 REM :       AU BOULOT !      : >PH
40 REM :                        : >EF

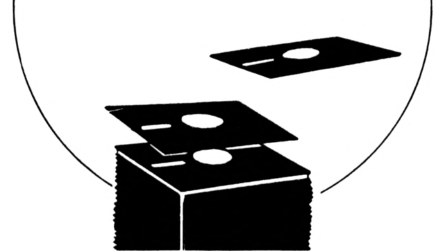
50 REM :   CLAUDE LE MOULLEC    : >WV
60 REM :   83 RUE JOLIOT CURIE  : >XD
70 REM :     22420  PLOUARET    : >TY
80 REM :     TEL 96 38 94 24    : >QH
90 REM :                        : >FA

100 REM ::::::::::::::::::::::::: >BV

110 MEMORY &9900:LOAD "!boulbin",&9 >HP
920
120 REM ::::::::::::::::::::::::: >BX

130 REM :                       : >KK
140 REM :    VARIABLE DE BASE   : >VP
150 REM :                       : >LB
160 REM ::::::::::::::::::::::::: >BB
170 DEFINT a-z:CALL &BBFF:MODE 0:BO >JG
RDER 0
180 RESTORE 200:FOR h=0 TO 15:READ  >RB
a:INK h,a:NEXT
190 INK 5,26,0:INK 7,0,26:SPEED INK >GK
 30,30
200 DATA 0,1,15,5,3,22,14,7,16,9,13 >NT
,24,18,23,26,6
210 DIM sp(20):FOR h=0 TO 16:sp(h+1 >QT
)=&9920+(h*64):NEXT:sp(12)=sp(16)

220 DEF FN pp(x,y)=&C000+(y-1)*80+( >GX
x-1)*4
230 DEF FN LP(x,y)=&C000+(y-1)*80+( >GR
x-1)*2
240 DEF FN po(x,y)=&BFFE+(y-1)*160+ >JX
(x-1)*4
250 DIM je(21,13):DIM A1$(13)       >VY
260 ENV 1,100,3,1:ENT 1,100,2,2     >WW
270 ENV 2,10,-1,2:ENT 2,10,-2,2     >WR
280 TA=1:VIE=5:SC=0:TP=150:GOSUB 31 >FG
80
290 ON BREAK GOSUB 3120:REM ne rent >AP
rez cette ligne que lorsque votre p
rogramme est au point.
300 REM ::::::::::::::::::::::::: >BX
310 REM :                       : >KK
320 REM :     DECOR DE BASE     : >RU
330 REM :                       : >LB
340 REM ::::::::::::::::::::::::: >BB
350 POKE &A020,0:FOR h=1 TO 20:CALL >YN
 &A00D,FN pp(h,1),sp(9):CALL &A00D,
FN pp(h,24),sp(9):NEXT
360 FOR h=3 TO 23 STEP 2:CALL &A00D >MT
,FN pp(1,h),sp(9):CALL &A00D,FN pp(
20,h),sp(9):NEXT:POKE &A020,&AE
```



```
370 GOSUB 380:GOTO 400                   >QK
380 FOR h=2 TO 12:je(1,h)=1:je(21,h >KL
)=1:NEXT
390 FOR h=1 TO 21:je(h,1)=1:je(h,13 >VB
)=1:NEXT:RETURN
400 POKE &A039,176:FOR h=0 TO 38:CA >LV
LL &A032,&C0A2+H:CALL &A032,&C0ED-H
:NEXT:GOTO 520
410 A$="PAS <<<<<<<<<<<<<<<<<<<<<<< >QN
<<<<<<<<<<<<":ZL=1:YL=1:cer=2:GOSU
B 440:RETURN
420 A$="VIE   SCO       TEMPS     T >ZP
AB    GUM    ":ZL=1:YL=1:cer=2:GOSU
B 440
430 GOSUB 2940:GOSUB 2950:GOSUB 301 >NP
0:GOSUB 3050:GOSUB 3080:RETURN
440 A$=UPPER$(A$):FOR T=1 TO LEN(A$ >HX
):PS=(ASC(MID$(A$,T,1)))-48
450 IF PS<0 THEN PS=43                   >QL
460 CALL &9D20,FN LP(ZL,YL)+(T*2)-c >MF
er,&9D40+(PS*16):NEXT:RETURN
470 REM :::::::::::::::::::::::::        >BF
480 REM :                       :        >LH
490 REM :   BRANCHEMENT TABLEAU  :       >ZL
500 REM :                       :        >LA
510 REM :::::::::::::::::::::::::        >BA

520 ON TA GOTO 530,540,550,560,570, >JE
580,590,600,610,620,630,640,650
530 GOSUB 660:RESTORE 3620:GOSUB 72 >AB
0:GOSUB 420:GOTO 1090
540 GOSUB 660:RESTORE 3650:GOSUB 72 >AF
0:GOSUB 420:GOTO 1090
550 GOSUB 660:RESTORE 3690:GOSUB 72 >BC
0:GOSUB 420:GOTO 1090
560 GOSUB 660:RESTORE 3720:GOSUB 72 >AF
0:GOSUB 420:GOTO 1090
570 GOSUB 660:RESTORE 3750:GOSUB 72 >BB
0:GOSUB 420:GOTO 1090
580 GOSUB 660:RESTORE 3780:GOSUB 72 >BF
0:GOSUB 420:GOTO 1090
590 GOSUB 660:RESTORE 3840:GOSUB 72 >BD
0:GOSUB 420:GOTO 1090
600 GOSUB 660:RESTORE 3840:GOSUB 72 >AD
0:GOSUB 420:GOTO 1090
610 GOSUB 660:RESTORE 3870:GOSUB 72 >AH
0:GOSUB 420:GOTO 1090
620 GOSUB 660:RESTORE 3900:GOSUB 72 >AC
0:GOSUB 420:GOTO 1090
630 GOSUB 660:RESTORE 3950:GOSUB 72 >BA
0:GOSUB 420:GOTO 1090
640 GOSUB 660:RESTORE 3980:GOSUB 72 >BE
0:GOSUB 420:GOTO 1090
650 ta=1:GOTO 520                        >LC
660 GUM=0:RESTORE 3590:TES=1:GOSUB  >EA
720:GOSUB 410:GOTO 1100
670 REM :::::::::::::::::::::::::        >BH
680 REM :                       :        >LK
690 REM :    CREATION TABLEAU    :       >WH
700 REM :                       :        >LC
710 REM :::::::::::::::::::::::::        >BC
720 FOR h=0 TO 38:CALL &A032,&C0A2+ >EE
H:CALL &A032,&C0ED-H:NEXT
730 FOR H=2 TO 12:READ A1:A1$(H)=BI >RQ
N$(A1,10):NEXT
740 FOR H=2 TO 12:IF A1$(H)="000000 >MR
0000" THEN 780
750 FOR G=1 TO 10:B1$=MID$(A1$(H),G >RE
,1):B1=VAL(B1$)
760 IF B1=1 THEN CALL &A00D,FN PO(G >XQ
,H),SP(9):JE(G,H)=1
770 NEXT G                               >PA
780 SOUND 1,INT(RND*600)+60,5,15:NE >GA
XT H
790 FOR H=2 TO 12:READ A1:A1$(H)=BI >RX
N$(A1,10):NEXT
800 FOR H=2 TO 12:IF A1$(H)="000000 >MK
0000" THEN 840
810 FOR G=1 TO 10:B1$=MID$(A1$(H),G >RB
,1):B1=VAL(B1$)
820 IF B1=1 THEN CALL &A00D,FN PO(G >DP
+10,H),SP(9):JE(G+10,H)=1
830 NEXT G                               >NH
840 SOUND 1,INT(RND*600)+60,5,15:NE >GX
XT H
850 READ CX:IF cx=0 THEN 880             >VM
860 FOR H=1 TO cx:READ A,B:CALL &A0 >YN
0D,FN PO(A,B),SP(10)
870 JE(A,B)=3:NEXT                       >NQ
880 READ CA:IF ca=0 THEN 910             >VJ
890 FOR H=1 TO CA:READ A,B:CALL &A0 >XB
0D,FN PO(A,B),SP(11)
900 JE(A,B)=4:NEXT                       >NK
910 READ BU:IF bu=0 THEN 950             >VY
920 FOR H=1 TO BU                        >HG
930 A=INT(RND*18)+2:B=INT(RND*10)+2 >CW
:IF JE(A,B)<>0 THEN 930
940 CALL &A00D,FN PO(A,B),SP(12):JE >QB
(A,B)=5:NEXT
950 READ GU:IF GU=0 THEN 1000            >WZ
960 gu=INT(RND*15)+5:FOR H=1 TO GU  >BK

970 A=INT(RND*18)+2:B=INT(RND*10)+2 >CE
:IF JE(A,B)<>0 THEN 970
980 CALL &A00D,FN PO(A,B),SP(15):JE >QF
(A,B)=2:NEXT
990 IF tes=1 THEN 1010                   >PP
1000 READ x,y:CALL &A00D,FN PO(x,y) >AJ
,SP(5):ac=5:GOTO 1030
1010 x=INT(RND*18)+2:y=INT(RND*10)+ >FC
2:IF JE(x,y)<>0 THEN 1010
1020 CALL &A00D,FN PO(x,y),SP(5):ac >EP
=5
1030 PAS=0:FIN=0:RETURN                  >UH
1040 REM :::::::::::::::::::::::::       >CD
1050 REM :                       :       >RJ

1060 REM :   ROUTINE PRINCIPALE   :      >ZE

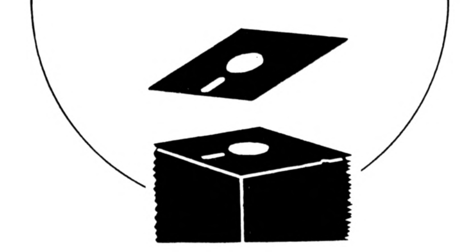
1070 REM :                       :       >TA

1080 REM :::::::::::::::::::::::::       >CH

1090 EVERY 250 GOSUB 2910                >TK
1100 IF FIN=1 THEN 2750                  >QH
1110 IF INKEY(ha)=0 THEN ss=1:GOTO  >FW
1180
1120 IF INKEY(ba)=0 THEN ss=3:GOTO  >FR
1260
1130 IF INKEY(ga)=0 THEN ss=4:GOTO  >FY
1340
1140 IF INKEY(da)=0 THEN ss=2:GOTO  >FU
1430
1150 IF INKEY(fe)=0 THEN 2360            >WR
1160 GOTO 1100                           >LH
1170 REM :::   VERS LE HAUT   :::        >WA
1180 a=je(x,y-1):IF a=0 THEN 1200        >ZA
1190 GOTO 1560                           >NA
1200 CALL &A00D,FN po(x,y),sp(ac):S >ZJ
OUND 1,300,5,1,1,1,15
1210 CALL &A052,FN po(x,y):FOR h=1  >ZG
TO 3:CALL &A05C,sp(ac)
1220 FOR t=1 TO 50:NEXT:CALL &A06E, >PT
sp(ac):NEXT
1230 CALL &A05C,sp(ac):y=y-1:IF TES >PH
=0 THEN 1100
1240 PAS=PAS+1:ZL=41-PAS:YL=1:A$="  >AV
":CER=2:GOSUB 440:IF PAS=36 THEN FI
N=1:GOTO 1100 ELSE 1100
1250 REM :::   VERS LE BAS   :::         >VA

1260 a=je(x,y+1):IF a=0 THEN 1280        >ZF
1270 GOTO 1560                           >MK
1280 CALL &A00D,FN po(x,y),sp(ac):S >ZT
OUND 1,300,5,1,1,1,15
1290 CALL &A052,FN po(x,y):FOR h=1  >ZR
TO 3:CALL &A07B,sp(ac)
1300 FOR t=1 TO 50:NEXT:CALL &A06E, >PR
sp(ac):NEXT
1310 CALL &A07B,sp(ac)::y=y+1:IF TE >QJ
S=0 THEN 1100
1320 PAS=PAS+1:ZL=41-PAS:YL=1:A$="  >AU
":CER=2:GOSUB 440:IF PAS=36 THEN FI
N=1:GOTO 1100 ELSE 1100
1330 REM :::    A GAUCHE    :::          >RL
1340 a=je(x-1,y):IF a=0 THEN 1360        >ZF

1350 CALL &A00D,FN po(x,y),sp(ac):C >BK
ALL &A00D,FN po(x,y),sp(1):ac=1:GOT
O 1560
1360 CALL &A00D,FN po(x,y),sp(ac):S >ZR
```



```
OUND 1,300,5,1,1,1,15
1370 FOR h=2 TO 4:CALL &A00D,FN po( >QY
x,y)-h+1,sp(h)
1380 FOR t=1 TO 50:NEXT:CALL &A00D, >ZJ
FN po(x,y)-h+1,sp(h)
1390 NEXT h:x=x-1:CALL &A00D,FN po( >ND
x,y),sp(1)
1400 ac=1:IF TES=0 THEN 1100        >VE
1410 PAS=PAS+1:ZL=41-PAS:YL=1:A$="  >AU
":CER=2:GOSUB 440:IF PAS=36 THEN FI
N=1:GOTO 1100 ELSE 1100
1420 REM :::    A DROITE    :::     >RP
1430 a=je(x+1,y):IF a=0 THEN 1450   >ZD

1440 CALL &A00D,FN po(x,y),sp(ac):C >BU
ALL &A00D,FN po(x,y),sp(5):ac=5:GOT
O 1560
1450 CALL &A00D,FN po(x,y),sp(ac):S >ZR
OUND 1,300,5,1,1,1,15
1460 FOR h=6 TO 8:CALL &A00D,FN po( >RC
x,y)+h-5,sp(h)
1470 FOR t=1 TO 50:NEXT:CALL &A00D, >ZN
FN po(x,y)+h-5,sp(h)
1480 NEXT h:x=x+1:CALL &A00D,FN po( >NF
x,y),sp(5)
1490 ac=5:IF TES=0 THEN 1100        >VU
1500 PAS=PAS+1:ZL=41-PAS:YL=1:A$="  >AU
":CER=2:GOSUB 440:IF PAS=36 THEN FI
N=1:GOTO 1100 ELSE 1100
1510 REM :::::::::::::::::::::::::: >CF

1520 REM :                        : >TA

1530 REM :      POUSSE CAISSES    : >WT

1540 REM :                        : >TC

1550 REM :::::::::::::::::::::::::: >CK

1560 ON a GOTO 1100,2650,1100,1570, >DW
1890
1570 ON ss GOTO 1580,1700,1640,1770 >AL

1580 xc=x:yc=y-1:SOUND 2,50,20,15,4 >GW
,2,6
1590 IF je(xc,yc-1)=0 THEN 1600 ELS >RM
E IF je(xc,yc-1)=3 THEN 2210 ELSE 1
100
1600 CALL &A00D,FN po(xc,yc),sp(11) >QU
:je(xc,yc)=0
1610 CALL &A052,FN po(xc,yc):FOR h= >BW
1 TO 3:CALL &A05C,sp(11)
1620 FOR t=1 TO 10:NEXT:CALL &A06E, >PF
sp(11):NEXT
1630 CALL &A05C,sp(11):yc=yc-1:je(x >XM
c,yc)=4:GOTO 1590
1640 xc=x:yc=y+1:SOUND 2,50,20,15,4 >GQ
,2,6
1650 IF je(xc,yc+1)=0 THEN 1660 ELS >RN
E IF je(xc,yc+1)=3 THEN 2230 ELSE 1
100
1660 CALL &A00D,FN po(xc,yc),sp(11) >QA
:je(xc,yc)=0
1670 CALL &A052,FN po(xc,yc):FOR h= >BD
1 TO 3:CALL &A07B,sp(11)
1680 FOR t=1 TO 10:NEXT:CALL &A06E, >PM
sp(11):NEXT
1690 CALL &A07B,sp(11):yc=yc+1:je(x >XP
c,yc)=4:GOTO 1650
1700 xc=x+1:yc=y:SOUND 2,50,20,15,4 >GM
,2,6
1710 IF je(xc+1,yc)=0 THEN 1720 ELS >RJ
E IF je(xc+1,yc)=3 THEN 2250 ELSE 1
100
1720 CALL &A00D,FN po(xc,yc),sp(11) >QX
:je(xc,yc)=0
1730 FOR h=1 TO 3:CALL &A00D,FN po( >TE
xc,yc)+h,sp(11)
1740 FOR t=1 TO 10:NEXT:CALL &A00D, >AD
FN po(xc,yc)+h,sp(11)
1750 NEXT h:xc=xc+1:CALL &A00D,FN p >VA
o(xc,yc),sp(11)
1760 je(xc,yc)=4:GOTO 1710          >UC
1770 xc=x-1:yc=y:SOUND 2,50,20,15,4 >GX
,2,6
1780 IF je(xc-1,yc)=0 THEN 1790 ELS >RF
E IF je(xc-1,yc)=3 THEN 2270 ELSE 1
100
1790 CALL &A00D,FN po(xc,yc),sp(11) >QE
:je(xc,yc)=0
1800 FOR h=1 TO 3:CALL &A00D,FN po( >TE
xc,yc)-h,sp(11)
1810 FOR t=1 TO 10:NEXT:CALL &A00D, >AD
FN po(xc,yc)-h,sp(11)
1820 NEXT h:xc=xc-1:CALL &A00D,FN p >VA
o(xc,yc),sp(11)
1830 je(xc,yc)=4:GOTO 1780          >UH
1840 REM :::::::::::::::::::::::::: >CM

1850 REM :                        : >TG

1860 REM :      POUSSE BULLES     : >VQ

1870 REM :                        : >TJ

1880 REM :::::::::::::::::::::::::: >CR

1890 ON ss GOTO 1900,2090,1960,2020 >AJ

1900 xu=x:yu=y-1:SOUND 1,50,12,5,2, >ED
10
1910 IF je(xu,yu-1)=0 THEN 1920 ELS >FA
E 1100
1920 CALL &A00D,FN po(xu,yu),sp(12) >RV
:je(xu,yu)=0
1930 CALL &A052,FN po(xu,yu):FOR h= >CH
1 TO 3:CALL &A05C,sp(12)
1940 FOR t=1 TO 10:NEXT:CALL &A06E, >PM
sp(12):NEXT
1950 CALL &A05C,sp(12):yu=yu-1:je(x >XU
u,yu)=5:GOTO 1910
1960 xu=x:yu=y+1:SOUND 1,50,12,5,2, >EH
10
1970 IF je(xu,yu+1)=0 THEN 1980 ELS >GC
E 1100
1980 CALL &A00D,FN po(xu,yu),sp(12) >RB
:je(xu,yu)=0
1990 CALL &A052,FN po(xu,yu):FOR h= >CQ
1 TO 3:CALL &A07B,sp(12)
2000 FOR t=1 TO 10:NEXT:CALL &A06E, >PZ
sp(12):NEXT
2010 CALL &A07B,sp(12):yu=yu+1:je(x >XL
u,yu)=5:GOTO 1970
2020 xu=x-1:yu=y:SOUND 1,50,12,5,2, >EX
10
2030 IF je(xu-1,yu)=0 THEN 2040 ELS >FM
E 1100
2040 CALL &A00D,FN po(xu,yu),sp(12) >RN
:je(xu,yu)=0
2050 FOR h=1 TO 3:CALL &A00D,FN po( >TT
xu,yu)-h,sp(12)
2060 FOR t=1 TO 10:NEXT:CALL &A00D, >AR
FN po(xu,yu)-h,sp(12)
2070 NEXT h:xu=xu-1:CALL &A00D,FN p >VC
o(xu,yu),sp(12)
2080 je(xu,yu)=5:GOTO 2030          >VA
2090 xu=x+1:yu=y:SOUND 1,50,12,5,2, >EC
10
2100 IF je(xu+1,yu)=0 THEN 2110 ELS >FF
E 1100
2110 CALL &A00D,FN po(xu,yu),sp(12) >RL
:je(xu,yu)=0
2120 FOR h=1 TO 3:CALL &A00D,FN po( >TN
xu,yu)+h,sp(12)
2130 FOR t=1 TO 10:NEXT:CALL &A00D, >AM
FN po(xu,yu)+h,sp(12)
2140 NEXT h:xu=xu+1:CALL &A00D,FN p >VY
o(xu,yu),sp(12)
2150 je(xu,yu)=5:GOTO 2100          >VW
2160 REM :::::::::::::::::::::::::: >CH

2170 REM :                        : >TC

2180 REM :    CAISSE EN PLACE     : >VG

2190 REM :                        : >TE

2200 REM :::::::::::::::::::::::::: >CC

2210 CALL &A00D,FN po(xc,yc),sp(11) >QR
:je(xc,yc)=0
```



```
2220 CALL &A00D,FN po(xc,yc-1),sp(1 >GL
1):je(xc,yc-1)=1:GOTO 2290
2230 CALL &A00D,FN po(xc,yc),sp(11) >QU
:je(xc,yc)=0
2240 CALL &A00D,FN po(xc,yc+1),sp(1 >GJ
1):je(xc,yc+1)=1:GOTO 2290
2250 CALL &A00D,FN po(xc,yc),sp(11) >QW
:je(xc,yc)=0
2260 CALL &A00D,FN po(xc+1,yc),sp(1 >GL
1):je(xc+1,yc)=1:GOTO 2290
2270 CALL &A00D,FN po(xc,yc),sp(11) >QY
:je(xc,yc)=0
2280 CALL &A00D,FN po(xc-1,yc),sp(1 >VK
1):je(xc-1,yc)=1
2290 FOR H=5 TO 100 STEP 5:SOUND 1, >QC
50+H,3,5:NEXT:sc=sc+50:GOSUB 2950
2300 ca=ca-1:IF ca=0 THEN fin=1:GOT >RM
0 1100 ELSE 1100
2310 REM ::::::::::::::::::::::::: >CE

2320 REM :                        : >RK

2330 REM :         FEU/COPY       : >PU

2340 REM :                        : >TB

2350 REM ::::::::::::::::::::::::: >CJ

2360 WHILE INKEY$<>"":WEND:ON ss GO >BF
TO 2370,2480,2520,2560
2370 IF je(x,y-1)=0 THEN 2460      >VL
2380 IF je(x,y-1)<>5 THEN 1100 ELSE >PK
 xu=x:yu=y-1
2390 CALL &A00D,FN po(xu,yu),sp(12) >CU

2400 SOUND 2,50,0,15,2,2,31:FOR H=1 >ET
 TO 4
2410 CALL &A00D,FN po(xu,yu),sp(13) >CM

2420 CALL &A00D,FN po(xu,yu),sp(13) >CN

2430 CALL &A00D,FN po(xu,yu),sp(14) >CQ

2440 CALL &A00D,FN po(xu,yu),sp(14) >CR

2450 NEXT:je(xu,yu)=0:GOTO 1100     >AL
2460 IF GUM=0 THEN 1100 ELSE GUM=GU >RH
M-1:GOSUB 3080
2470 CALL &A00D,FN po(x,y-1),sp(12) >BC
:je(x,y-1)=5:GOTO 1890
2480 IF je(x+1,y)=0 THEN 2500      >VF
2490 IF je(x+1,y)<>5 THEN 1100 ELSE >BC
 xu=x+1:yu=y:GOTO 2390
2500 IF GUM=0 THEN 1100 ELSE GUM=GU >RC
M-1:GOSUB 3080
2510 CALL &A00D,FN po(x+1,y),sp(12) >BT
:je(x+1,y)=5:GOTO 1890
2520 IF je(x,y+1)=0 THEN 2540      >VE
2530 IF je(x,y+1)<>5 THEN 1100 ELSE >AF
 xu=x:yu=y+1:GOTO 2390
2540 IF GUM=0 THEN 1100 ELSE GUM=GU >RG
M-1:GOSUB 3080
2550 CALL &A00D,FN po(x,y+1),sp(12) >BX
:je(x,y+1)=5:GOTO 1890
2560 IF je(x-1,y)=0 THEN 2580      >VQ
2570 IF je(x-1,y)<>5 THEN 1100 ELSE >BF
 xu=x-1:yu=y:GOTO 2390
2580 IF GUM=0 THEN 1100 ELSE GUM=GU >RL
M-1:GOSUB 3080
2590 CALL &A00D,FN po(x-1,y),sp(12) >BF
:je(x-1,y)=5:GOTO 1890
2600 REM ::::::::::::::::::::::::: >CG

2610 REM :                        : >TB

2620 REM :   RAMASSE CHEWING-GUM  : >AM

2630 REM :                        : >TD

2640 REM ::::::::::::::::::::::::: >CL

2650 GUM=GUM+1:ON ss GOTO 2660,2670 >MZ
,2680,2690
2660 CALL &A00D,FN PO(X,Y-1),SP(15) >BJ
:JE(X,Y-1)=0:GOTO 1100
2670 CALL &A00D,FN PO(X+1,Y),SP(15) >BF
:JE(X+1,Y)=0:GOTO 1100
2680 CALL &A00D,FN PO(X,Y+1),SP(15) >BG
:JE(X,Y+1)=0:GOTO 1100
2690 CALL &A00D,FN PO(X-1,Y),SP(15) >BM
:JE(X-1,Y)=0:GOTO 1100
2700 REM ::::::::::::::::::::::::: >CH

2710 REM :                        : >TC

2720 REM :  VIE -1/PERDU/GAGNE    : >YW

2730 REM :                        : >TE

2740 REM ::::::::::::::::::::::::: >CM

2750 mu=REMAIN(0):IF TES=1 THEN TES >QF
=0:GOTO 2840
2760 IF ca=0 THEN 2820  ELSE 2770  >XY
2770 vie=vie-1:BORDER 26:INK 0,26:S >CP
OUND 4,1500,50,7,0,0,10
2780 FOR t=1 TO 4000:NEXT t:BORDER  >KG
0:INK 0,0
2790 SOUND 1,239,20,6:SOUND 1,0,2,6 >WT
:SOUND 1,239,20,6:SOUND 1,319,20,6:
SOUND 1,213,20,6:SOUND 1,239,40,6:S
OUND 1,319,20,6
2800 IF VIE=0 THEN RUN 170          >TV
2810 ERASE je:DIM JE(21,13):GOSUB 3 >XZ
80:TP=150:GOTO 520
2820 TA=TA+1:BORDER 26:FOR H=1 TO 2 >AJ
0:SC=SC+10:GOSUB 2950
2830 SOUND 1,H*10,10,14:NEXT:TP=150 >GL
:GUM=0:BORDER 0:GOTO 2810
2840 FOR h=0 TO 38:CALL &A032,&C0A2 >FN
+H:CALL &A032,&C0ED-H:NEXT
2850 ERASE JE:DIM JE(21,13):GOSUB 3 >NV
80:RETURN
2860 REM ::::::::::::::::::::::::: >CQ

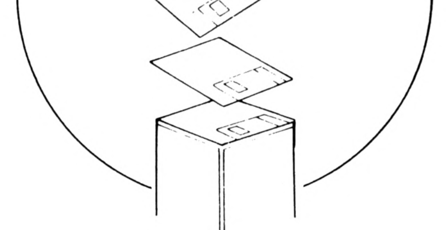
2870 REM :                        : >TK

2880 REM :  GESTION  COMPTEURS    : >ZN

2890 REM :                        : >UB

2900 REM ::::::::::::::::::::::::: >CK

2910 DI:tp=tp-5:a$="   ":zl=23:yl=1 >JJ
:cer=2:GOSUB 440:GOSUB 3010
2920 LOCATE 1,1:PRINT CHR$(7):IF tp >ZV
<5 THEN fin=1:EI:RETURN ELSE EI:RET
URN
2930 REM :::: GESTION DES SCORES   >AR
2940 A$=STR$(VIE):ZL=4:YL=1:CER=2:G >XP
OSUB 440:RETURN
2950 a$=STR$(sc):a$=RIGHT$(a$,LEN(a >HV
$)-1)
2960 IF sc>9999 THEN zl=11:yl=1:cer >AU
=2:GOSUB 440:RETURN
2970 IF sc>999 THEN zl=12:yl=1:cer= >ZM
2:GOSUB 440:RETURN
2980 IF sc>99 THEN zl=13:yl=1:cer=2 >YG
:GOSUB 440:RETURN
2990 IF sc>9 THEN zl=14:yl=1:cer=2: >XC
GOSUB 440:RETURN
3000 zl=15:yl=1:cer=2:GOSUB 440:RET >HR
URN
3010 a$=STR$(TP):a$=RIGHT$(a$,LEN(a >HX
$)-1)
3020 IF TP>99 THEN zl=23:yl=1:cer=2 >YH
:GOSUB 440:RETURN
3030 IF TP>9 THEN zl=24:yl=1:cer=2: >XD
GOSUB 440:RETURN
3040 zl=25:yl=1:cer=2:GOSUB 440:RET >HX
URN
3050 a$=STR$(TA):a$=RIGHT$(a$,LEN(a >HK
$)-1)
3060 IF TA>9 THEN zl=31:yl=1:cer=2: >XN
GOSUB 440:RETURN
3070 zl=32:yl=1:cer=2:GOSUB 440:RET >HY
URN
3080 a$=STR$(GUM):a$=RIGHT$(a$,LEN( >JQ
a$)-1)
3090 IF GUM>9 THEN zl=38:yl=1:cer=2 >YK
:GOSUB 440:RETURN
```



```
3100 zl=39:yl=1:cer=2:GOSUB 440:a$= >RY
" ":zl=38:yl=1:GOSUB 440:RETURN
3110 REM :::: TOUCHE BREAK ::::     >YD
3120 FIN=1:RETURN:REM POUR QUAND VO >YG
US ETES BLOQUE...
3130 REM ::::::::::::::::::::::::: >CF

3140 REM :                       : >TA

3150 REM :       PRESENTATION    : >VR

3160 REM :                       : >TC

3170 REM ::::::::::::::::::::::::: >CK

3180 xtt=0:FOR h=0 TO 14 STEP 2:PLO >CF
T 0,h,9:DRAW 640,h:NEXT
3190 FOR h=2 TO 7:FOR g=9 TO 12:CAL >QB
L &A00D,FN po(h,g)-2,sp(9):NEXT g,h

3200 FOR h=6 TO 8:CALL &A00D,FN po( >VW
6,H)-2,sp(9):NEXT
3210 FOR h=15 TO 19:CALL &A00D,FN p >XL
o(h,12),sp(11):NEXT
3220 FOR h=16 TO 19:CALL &A00D,FN p >ZU
o(h,11)-2,sp(11):NEXT
3230 FOR h=16 TO 18:CALL &A00D,FN p >XL
o(h,10),sp(11):NEXT
3240 CALL &A00D,FN PO(14,12),SP(1): >XL
POKE &A020,&AE:X=14
3250 RESTORE 3260:FOR h=1 TO 10:REA >PC
D a$,zl,yl:CER=2:GOSUB 440:NEXT
3260 DATA USINE,4,18,"LMC SOFTWARE" >CF
,1,20,"1 : JOYSTICK",15,12,"2 : CLA
VIER",15,14,"3 : EXPLICATIONS",15,1
6
3270 DATA " 0  0 0   00   0  0 0 0  >MP
  0  000  0",3,2
3280 DATA "0 0 0 0   0 0 0 0 0 0 0  >NA
  0 0  0    0",3,3
3290 DATA "000 0 0   00   0 0 0 0 0 >NV
  0 0  0    0",3,4
3300 DATA "0 0 0 0   0 0 0 0 0 0 0  >ML
  0 0  0     ",3,5
3310 DATA "0 0  0    00   0   0  00 >MW
 0  0   0   0",3,6
3320 A$=INKEY$:IF A$="" THEN 3320   >ZB
3330 IF A$="1" THEN GA=74:DA=75:HA= >DU
72:BA=73:FE=76:GOTO 3370
3340 IF A$="2" THEN GA=8:DA=1:HA=0: >XV
BA=2:FE=9:GOTO 3370
3350 IF A$="3" AND xtt=0 THEN 3420  >ZA
3360 GOTO 3320                      >MH
3370 CALL &A00D,FN po(x,12),sp(1):S >YZ
OUND 1,300,5,1,1,1,15
3380 FOR h=2 TO 4:CALL &A00D,FN po( >RH
x,12)-h+1,sp(h)
3390 FOR t=1 TO 70:NEXT:CALL &A00D, >AC
FN po(x,12)-h+1,sp(h)
3400 NEXT h:X=X-1:CALL &A00D,FN po( >EY
x,12),sp(1):IF X=7 THEN CLS:RETURN
ELSE 3370
3410 CALL &BB18:MODE 2:PEN 1:INK 1, >HM
24:END
3420 WINDOW #1,1,20,1,10:CLS #1:WHI >NF
LE INKEY$<>"":WEND:RESTORE 3450
3430 FOR h=1 TO 8:READ a$:zl=1:yl=H >CH
:CER=2:GOSUB 440:NEXT
3440 xtt=1:GOTO 3320                >PG
3450 DATA "  MARIO REVE DE VACANCES >ZC
 MAIS AVANT CELA"
3460 DATA "SON PATRON  LUI ORDONNE  >ZQ
DE RANGER LES 12"
3470 DATA "ENTREPOTS DE L'USINE<"   >CF
3480 DATA "  AIDEZ LE A TRANSPORTER >AX
 LES CAISSES SUR"
3490 DATA "L)ENDROIT MARQUE D)UNE C >MV
ROIX<"
3500 DATA "  AVANT CHAQUE TACHE MAR >ZN
IO FERA EMPLETTE"
3510 DATA "DE  CHEWING<GUM TRES UTI >BK
LES POUR AMORTIR"
3520 DATA "LE TRAJET DES CAISSES<"  >DM
3530 REM ::::::::::::::::::::::::: >CK

3540 REM :                       : >TE

3550 REM :    DATA 12 TABLEAUX   : >WQ

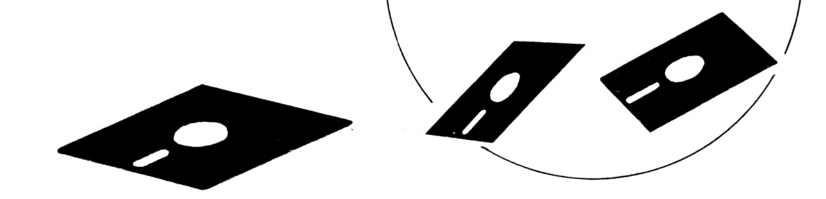
3560 REM :                       : >TG

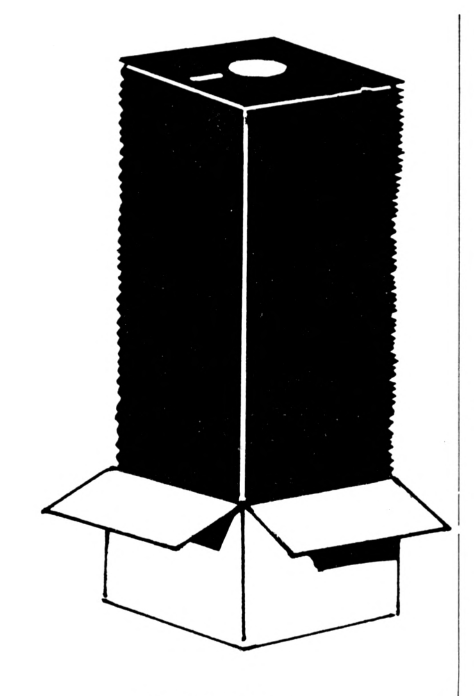
3570 REM ::::::::::::::::::::::::: >CP

3580 REM ::: TABLEAU CHEWING-GUM :: >DF
:
3590 DATA 128,239,0,175,161,189,132 >TW
,245,149,149,17,64,894,258,474,10,4
88,47,928,46,426,136
3600 DATA 0,0,0,20,8,12             >PR
3610 REM ::: TAB 1 :::              >NK
3620 DATA 65,64,65,65,65,65,65,65,3 >EF
3,1,65,0,0,0,0,0,0,0,0,0,0
3630 DATA 2,2,2,3,2,2,11,10,16,5,3, >FG
0,5,11
3640 REM ::: TAB 2 :::              >NP
3650 DATA 32,32,62,0,0,15,8,8,8,8,8 >LP
,0,0,128,128,135,960,64,64,64,0,0

3660 DATA 5,10,8,12,8,9,9,11,9,13,9 >AJ

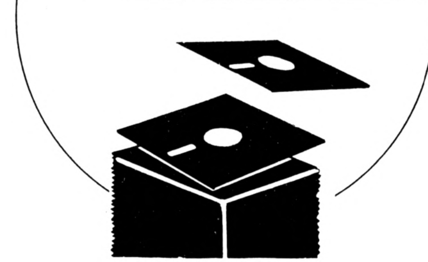
3670 DATA 5,3,3,5,10,16,3,18,8,14,1 >KB
1,8,0,12,12
3680 REM ::: TAB 3 :::              >NV
3690 DATA 33,33,33,1,417,111,0,0,49 >FL
6,0,0,80,0,0,0,0,1,0,15,0,0,0
3700 DATA 3,7,3,14,4,11,10,3,4,3,3, >PX
8,15,11,2,0,5,9
3710 REM ::: TAB 4 :::              >NP
3720 DATA 0,0,32,32,32,0,0,0,0,0,0, >ZE
0,0,32,0,0,0,0,0,0,768,0
3730 DATA 4,11,6,10,7,12,7,11,8,4,3 >BT
,4,16,3,7,9,18,10,3,0,5,3
3740 REM ::: TAB 5 :::              >NU
3750 DATA 386,258,2,38,288,288,292, >AQ
63,0,0,0,25,0,124,64,64,71,64,984,1
36,56,32
3760 DATA 2,2,12,16,10,2,7,10,13,11 >HU
,2,0,5,12
3770 REM ::: TAB 6 :::              >NY
3780 DATA 8,8,8,15,0,256,0,319,0,0, >HT
0,42,32,32,480,0,0,0,1017,0,0,0
3790 DATA 3,9,4,13,4,13,3,3,8,11,13 >TA
,11,11,10,2,0,10,8
3800 REM ::: TAB 7 :::              >NT
3810 DATA 0,0,102,0,68,136,0,113,81 >PW
,0,0,0,0,408,1,274,544,0,796,276,0,
0
3820 DATA 5,4,2,8,2,12,2,16,2,20,2, >QV
5,6,8,16,8,5,11,11,11,17,11,5,0,18,
12
3830 REM ::: TAB 8 :::              >NX
3840 DATA 0,0,40,56,0,1,1,1,0,0,0,0 >AA
,0,0,0,0,512,0,568,40,0,0
3850 DATA 3,6,4,11,8,16,10,3,6,6,9, >QZ
8,18,9,10,0,11,6
3860 REM ::: TAB 9 :::              >NB
3870 DATA 0,127,32,420,36,40,39,32, >ZL
427,1,1,1,912,20,20,916,148,644,132
,252,0,0
3880 DATA 1,3,2,1,4,11,3,0,5,12     >WB
3890 REM ::: TAB 10 :::             >PN
3900 DATA 0,0,32,32,0,14,2,2,384,0, >LV
0,8,0,128,128,248,8,8,8,0,128,128
3910 DATA 10,3,4,9,6,8,8,2,9,6,11,1 >AK
8,2,14,5,16,7,19,7,14,12
3920 DATA 10,8,3,9,3,10,3,11,3,11,4 >DT
,11,5,11,8,11,9,11,10,12,10
3930 DATA 6,0,13,3                  >LH
3940 REM ::: TAB 11 :::             >PK
3950 DATA 0,0,127,1,1,31,1,1,1,127, >AX
0,0,0,0,0,0,0,960,0,0,0,0
3960 DATA 4,18,5,19,7,18,9,19,11,4, >DV
8,5,8,9,12,6,12,10,6,0,10,3
3970 REM ::: TAB 12 :::             >PP
3980 DATA 0,256,121,65,65,113,65,65 >DW
,121,0,128,2,0,156,146,658,400,146,
146,156,1,0
3990 DATA 9,2,2,20,2,2,12,20,12,5,5 >UU
,5,8,12,6,11,7,17,5
4000 DATA 9,8,3,8,4,8,5,8,6,8,7,8,8 >AZ
,8,9,8,10,19,7,6,0,15,12
```





BOULDATA

```
5 MEMORY &98FF:CALL &BBFF:MODE 1
7 LOCATE 1,10:PRINT " DATAS DE LA LIG
NE        CORRECTS":PEN 2
10 A=&9920:F=&A0A0:L=100:WHILE A<=F:F
OR A=A TO A+15:READ C$:K=VAL("&"+C$):
S=S+K+65536*(S+K>32767):IF A<=F THEN
POKE A,K
20 NEXT:READ D$:T=VAL("&"+D$):IF T<>S
 THEN PRINT CHR$(7);"Erreur ligne";L:
END ELSE L=L+5
25 LOCATE 20,10:PRINT l-5:WEND
100 DATA 00,CC,88,00,00,3C,88,00,44,C
C,28,00,00,02,02,00,0354
105 DATA 00,03,02,00,00,01,0A,00,00,0
0,00,00,00,CC,28,00,0458
110 DATA 00,CC,3C,00,00,CC,3C,00,00,C
C,CC,00,00,00,03,00,0803
115 DATA 00,14,28,00,00,14,28,00,00,4
4,28,00,00,3F,00,00,0926
120 DATA 00,CC,88,00,00,3C,88,00,44,C
C,28,00,00,02,02,00,0C7A
125 DATA 00,03,02,00,00,01,0A,00,00,8
8,14,00,44,CC,3C,00,0E72
130 DATA 88,9C,9C,28,46,9C,9C,88,02,C
C,44,02,00,00,28,02,139E
135 DATA 00,00,3C,00,00,88,CC,00,44,9
C,00,2A,3F,00,51,2A,16F2
140 DATA 00,CC,88,00,00,3C,88,00,44,C
C,28,00,00,02,02,00,1A46
145 DATA 00,03,02,00,00,01,0A,00,00,0
0,00,00,00,CC,28,00,1B4A
150 DATA 00,CC,3C,00,00,CC,3C,00,00,C
C,CC,00,00,00,03,00,1EF5
155 DATA 00,14,28,00,00,14,28,00,00,4
4,28,00,00,3F,00,00,2018
160 DATA 00,CC,88,00,00,3C,88,00,44,C
C,28,00,00,02,02,00,236C
165 DATA 00,03,02,00,00,01,0A,00,00,0
0,00,00,00,44,6C,00,242C
170 DATA 00,CC,6C,88,00,46,6C,88,00,1
6,00,00,00,00,88,00,27C4
175 DATA 00,44,28,00,00,9C,14,A2,15,2
8,CC,2A,3F,00,00,2A,2B1E
180 DATA 00,44,CC,00,00,44,3C,00,00,1
4,CC,88,00,01,01,00,2E18
185 DATA 00,01,03,00,00,05,02,00,00,0
0,00,00,00,14,CC,00,2F03
190 DATA 00,3C,CC,00,00,3C,CC,00,00,C
C,CC,00,00,03,00,00,32AE
195 DATA 00,14,28,00,00,14,28,00,00,1
4,88,00,00,00,3F,00,3401
200 DATA 00,44,CC,00,00,44,3C,00,00,1
4,CC,88,00,01,01,00,36FB
205 DATA 00,01,03,00,00,05,02,00,00,2
8,44,00,00,3C,CC,88,3902
210 DATA 14,6C,6C,44,44,6C,6C,89,01,8
8,CC,01,01,14,00,00,3D42
215 DATA 00,3C,00,00,00,CC,44,00,15,0
0,6C,88,15,A2,00,3F,408D
220 DATA 00,44,CC,00,00,44,3C,00,00,1
4,CC,88,00,01,01,00,4387
225 DATA 00,01,03,00,00,05,02,00,00,0
0,00,00,00,14,CC,00,4472
230 DATA 00,3C,CC,00,00,3C,CC,00,00,C
C,CC,00,00,03,00,00,481D
235 DATA 00,14,28,00,00,14,28,00,00,1
4,88,00,00,00,3F,00,4970
240 DATA 00,44,CC,00,00,44,3C,00,00,1
4,CC,88,00,01,01,00,4C6A
245 DATA 00,01,03,00,00,05,02,00,00,0
0,00,00,00,9C,88,00,4D99
250 DATA 44,9C,CC,00,44,9C,89,00,00,0
0,29,00,00,44,00,00,511B
255 DATA 00,14,88,00,51,28,6C,00,15,C
C,14,2A,15,00,00,3F,540F
260 DATA 30,30,AA,30,30,75,AA,30,75,F
F,AA,30,00,00,00,00,5916
265 DATA 10,30,30,75,10,30,30,75,10,7
5,FF,FF,00,00,00,00,5D63
270 DATA 30,30,AA,30,30,75,AA,30,75,F
F,AA,30,00,00,00,00,626A
275 DATA 10,30,30,75,10,30,30,75,10,7
5,FF,FF,00,00,00,00,66B7
280 DATA 00,00,00,00,00,00,00,00,00,0
0,00,00,00,00,00,00,66B7
285 DATA 00,15,2A,00,00,15,2A,00,00,1
5,2A,00,15,3F,3F,2A,6831
290 DATA 15,3F,3F,2A,15,3F,3F,2A,00,1
5,2A,00,00,15,2A,00,6A29
295 DATA 00,15,2A,00,00,00,00,00,00,0
```



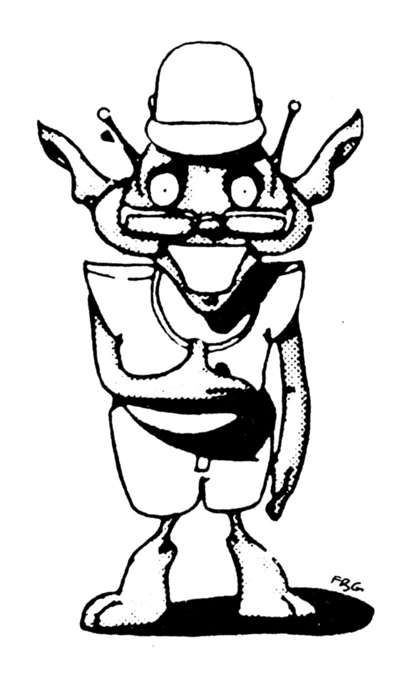
```
0,00,00,00,00,00,00,6A68
300 DATA CF,00,00,CF,4D,CF,CB,4D,4D,0
C,49,4D,4D,0C,49,4D,7018
305 DATA 4D,00,00,4D,4D,CF,CB,4D,4D,0
C,49,4D,4D,0C,49,4D,74C4
310 DATA 4D,00,00,4D,4D,CF,CB,4D,4D,0
C,49,4D,4D,0C,49,4D,7970
315 DATA 4D,00,00,4D,4D,CF,CB,4D,4D,0
C,49,4D,0C,00,00,0C,7D45
320 DATA 00,00,00,00,00,00,FC,A8,00,5
4,00,54,00,54,50,54,8089
325 DATA 00,A8,F4,A0,00,F8,A8,50,00,F
8,F8,50,00,F8,A0,50,88DD
330 DATA 00,F8,00,50,00,F8,00,50,00,F
8,00,50,00,A8,A0,A0,8E9D
335 DATA 00,54,50,54,00,54,00,54,00,0
0,FC,A8,00,00,00,00,91E1
340 DATA AA,00,55,8A,DF,55,A2,AA,AA,E
F,AA,00,00,55,00,AA,992C
345 DATA 00,00,55,DF,00,AA,00,AA,55,D
F,00,00,00,AA,AA,55,9E91
350 DATA 00,F7,DF,EF,AA,FB,AA,55,00,D
F,00,00,00,00,2A,00,A503
355 DATA 2A,AA,00,AA,55,DF,55,DF,00,A
A,00,AA,00,00,A2,A2,AB81
360 DATA 51,51,00,00,55,00,55,00,EF,A
A,EF,AA,55,00,55,15,B0BE
365 DATA 00,15,00,00,00,00,EF,00,AA,5
5,F7,55,DF,EF,FB,00,B6D6
370 DATA AA,55,55,00,00,00,EF,AA,55,0
0,55,00,EF,AA,00,00,BC06
375 DATA 55,00,AA,00,00,55,DF,55,55,5
1,AA,EF,45,AA,00,55,C211
380 DATA 00,00,00,00,00,00,00,00,00,0
0,00,00,00,11,22,00,C244
385 DATA 00,33,33,00,00,37,3B,00,11,3
7,33,22,11,3B,33,22,C45A
390 DATA 11,3B,33,22,11,3B,33,22,00,3
3,33,00,00,33,33,00,C668
395 DATA 00,11,22,00,00,00,00,00,00,0
0,00,00,00,00,00,00,C69B
400 DATA 00,00,00,00,00,FC,A8,00,54,0
0,54,00,54,50,54,00,C9DF
405 DATA A8,F4,A0,A8,F8,A8,50,A8,F8,F
8,50,A8,F8,A0,50,A8,D4D3
410 DATA F8,00,50,A8,F8,00,50,A8,F8,0
0,50,A8,A8,A0,A0,A8,DD33
415 DATA 54,50,54,00,54,00,54,00,00,F
C,A8,00,00,00,00,00,E077
420 DATA DD,5E,00,DD,56,01,DD,6E,02,D
D,66,03,06,08,C5,E5,E731
425 DATA 06,02,1A,77,23,13,10,FA,E1,C
D,26,BC,C1,10,EF,C9,EE23
430 DATA 15,3F,15,3F,45,45,45,45,04,0
4,04,04,55,FF,00,00,F143
435 DATA 00,2A,15,2A,00,8A,00,8A,00,0
8,00,08,55,FF,00,00,F424
440 DATA 15,3F,15,15,00,45,00,45,00,0
8,04,00,55,FF,00,00,F68C
445 DATA 15,3F,15,15,00,45,00,45,00,0
C,00,04,55,FF,00,00,F8F8
450 DATA 00,15,00,3F,00,CF,45,45,04,0
C,00,04,00,55,00,00,FB0E
455 DATA 15,3F,15,00,45,00,00,CF,00,0
4,04,04,55,FF,00,00,FDEB
460 DATA 15,3F,15,15,45,00,45,CF,04,0
4,04,04,55,FF,00,00,0126
465 DATA 15,3F,00,15,00,45,00,8A,00,0
8,04,00,55,00,00,00,02BF
470 DATA 15,3F,15,15,45,45,45,CF,04,0
4,04,04,55,FF,00,00,063F
475 DATA 15,3F,15,15,45,45,45,CF,00,0
4,00,04,55,FF,00,00,09B7
480 DATA 00,00,00,00,00,00,00,00,00,A
2,00,00,00,2A,00,00,0A83
485 DATA 00,00,00,00,00,00,00,00,00,A
2,00,00,00,2A,15,00,0B64
490 DATA 00,00,00,00,00,00,00,00,00,0
0,00,A2,00,2A,00,00,0C30
495 DATA 00,00,00,00,00,00,00,00,00,0
0,00,A2,00,2A,15,00,0D11
500 DATA 00,88,00,88,14,00,00,00,00,0
0,00,00,00,00,00,00,0E35
505 DATA 00,88,44,44,14,14,00,14,00,A
2,00,00,00,2A,00,00,104D
510 DATA 00,88,00,88,00,28,00,28,00,A
2,00,00,00,2A,00,00,1279
515 DATA 44,CC,44,CC,14,14,14,14,51,F
3,51,51,15,15,00,00,16F9
520 DATA 44,CC,44,CC,14,14,14,14,51,A
2,51,51,15,3F,00,00,1B52
525 DATA 44,CC,44,CC,14,00,14,00,51,0
0,51,00,15,3F,00,00,1E90
530 DATA 44,88,44,CC,14,14,14,14,51,5
1,51,51,15,3F,00,00,2254
535 DATA 44,CC,44,CC,14,00,14,00,51,A
2,51,00,15,3F,00,00,2634
540 DATA 44,CC,44,CC,14,00,14,00,51,A
2,51,00,15,00,00,00,29D5
545 DATA 44,CC,44,CC,14,14,14,00,51,0
0,51,51,15,3F,00,00,2D78
550 DATA 44,44,44,44,14,14,14,14,51,F
3,51,51,15,15,00,00,30E8
555 DATA 44,CC,00,88,00,28,00,28,00,A
2,00,A2,15,3F,00,00,3468
560 DATA 44,CC,00,88,00,28,00,28,00,A
2,00,A2,15,2A,00,00,37D3
565 DATA 44,44,44,44,14,14,14,28,51,A
2,51,51,15,15,00,00,3B06
570 DATA 44,00,44,00,14,00,14,00,51,0
0,51,00,15,3F,00,00,3CAC
575 DATA 44,44,44,CC,14,3C,14,14,51,5
1,51,51,15,15,00,00,402A
580 DATA 44,44,44,44,14,3C,14,3C,51,F
3,51,51,15,15,00,00,43EA
585 DATA 44,CC,44,44,14,14,14,14,51,5
1,51,51,15,3F,00,00,476A
590 DATA 44,CC,44,CC,14,14,14,14,51,F
3,51,00,15,00,00,00,4B84
595 DATA 44,CC,44,CC,14,14,14,14,51,5
1,51,51,15,3F,00,2A,4FB6
600 DATA 44,CC,44,CC,14,14,14,14,51,A
2,51,51,15,15,00,00,53E5
605 DATA 44,CC,44,CC,14,00,14,00,51,F
3,00,51,15,3F,00,00,5816
610 DATA 44,CC,44,CC,00,28,00,28,00,A
2,00,A2,00,2A,00,00,5BF4
615 DATA 44,44,44,44,14,14,14,14,51,5
1,51,51,15,3F,00,00,5EEC
620 DATA 44,44,44,44,14,14,14,14,51,5
1,51,51,00,2A,00,00,61BA
625 DATA 44,44,44,44,14,14,14,14,51,F
3,51,F3,15,15,00,00,65CC
630 DATA 44,44,44,44,14,14,00,28,00,A
2,51,51,15,15,00,00,689A
635 DATA 44,44,44,44,14,14,00,28,00,A
2,00,A2,00,2A,00,00,6B68
640 DATA 44,CC,00,44,00,14,00,28,00,A
2,51,00,15,3F,00,00,6E3F
645 DATA 00,00,00,00,00,00,00,00,00,0
0,00,00,00,00,00,00,6E3F
650 DATA 7C,C6,08,67,D0,D5,11,50,C0,1
9,D1,C9,00,DD,5E,00,75A4
655 DATA DD,56,01,DD,6E,02,DD,66,03,0
6,10,C5,E5,06,04,1A,7B4F
660 DATA AE,77,13,23,10,F9,E1,CD,00,A
0,C1,10,EE,C9,00,00,8289
665 DATA 00,00,DD,6E,00,DD,66,01,06,1
0,AF,77,CD,00,A0,10,87D1
670 DATA F9,C9,7C,D6,08,67,CB,74,C0,D
5,11,B0,3F,19,D1,C9,90DB
675 DATA 55,E1,DD,6E,00,DD,66,01,22,5
0,A0,C9,2A,50,A0,CD,9862
680 DATA 42,A0,CD,42,A0,CD,42,A0,CD,4
2,A0,22,50,A0,2A,50,9FDD
685 DATA A0,DD,5E,00,DD,56,01,CD,19,A
0,C9,2A,50,A0,CD,00,A722
690 DATA A0,CD,00,A0,CD,00,A0,CD,00,A
0,C3,6B,A0,00,00,00,ADD7
695 DATA 00,00,00,00,00,00,00,00,00,0
0,00,00,00,00,00,00,ADD7
700 DATA 00,00,00,00,00,00,00,00,00,0
0,00,00,00,00,00,00,ADD7
720 CLS:PRINT " FICHIER LANGAGE MACHI
NE CORRECT..."
730 PRINT:PRINT:PRINT
740 PRINT "UNE TOUCHE POUR LA SAUVEGA
RDE...."
750 CALL &BB18
760 SAVE "boulbin",b,&9920,&770
770 END
```

RALF

Frédéric JULIEN

Valable pour CPC 6128

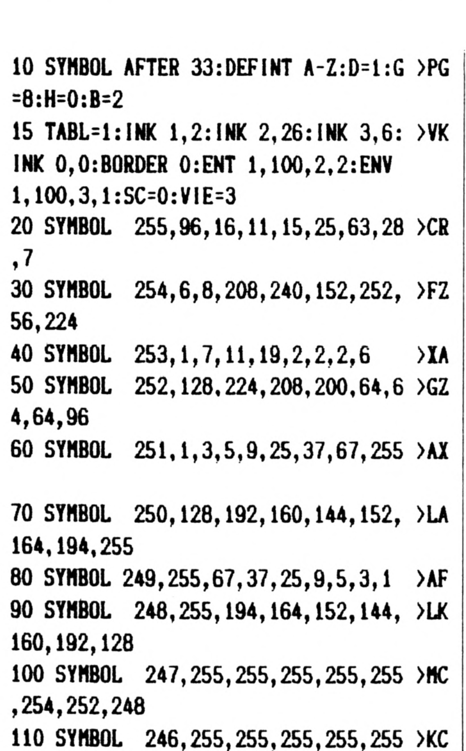
Vous devez aider Ralf, le petit extra-terrestre, en récupérant toutes les cartes se trouvant sur votre passage ; tout en faisant attention au monstre rouge qui veut à tout prix empêcher Ralf de retourner chez lui.



Ce jeu comporte 7 tableaux et vous disposez de 3 vies.

Astuces :

Pour avoir des vies à l'infini, éditez la ligne 1450 et changez vie = vie –1 par vie = vie –0.



```
10 SYMBOL AFTER 33:DEFINT A-Z:D=1:G >PG
=8:H=0:B=2
15 TABL=1:INK 1,2:INK 2,26:INK 3,6: >VK
INK 0,0:BORDER 0:ENT 1,100,2,2:ENV
1,100,3,1:SC=0:VIE=3
20 SYMBOL  255,96,16,11,15,25,63,28 >CR
,7
30 SYMBOL  254,6,8,208,240,152,252, >FZ
56,224
40 SYMBOL  253,1,7,11,19,2,2,2,6    >XA
50 SYMBOL  252,128,224,208,200,64,6 >GZ
4,64,96
60 SYMBOL  251,1,3,5,9,25,37,67,255 >AX

70 SYMBOL  250,128,192,160,144,152, >LA
164,194,255
80 SYMBOL 249,255,67,37,25,9,5,3,1  >AF
90 SYMBOL  248,255,194,164,152,144, >LK
160,192,128
100 SYMBOL  247,255,255,255,255,255 >MC
,254,252,248
110 SYMBOL  246,255,255,255,255,255 >KC
,127,63,31
120 SYMBOL  245,248,252,254,255,255 >MC
,255,255,255
130 SYMBOL  244,31,63,127,255,255,2 >KC
55,255,255
140 SYMBOL  45,0,0,0,126,0,0,0,0    >XX
150 SYMBOL  46,0,0,0,0,0,24,24,0    >XC
160 SYMBOL  47,6,12,24,48,96,192,12 >DE
8,0
170 SYMBOL  48,60,36,36,36,36,36,60 >CN
,0
180 SYMBOL  49,16,16,16,16,16,16,16 >CG
,0
190 SYMBOL  50,60,36,4,60,32,36,60, >BL
0
200 SYMBOL  51,60,36,4,28,4,36,60,0 >AZ

210 SYMBOL  52,36,36,36,60,4,4,4,0  >ZR
220 SYMBOL  53,60,36,32,60,4,36,60, >BH
0
230 SYMBOL  54,60,36,32,60,36,36,60 >CZ
,0
240 SYMBOL  55,60,36,4,12,8,8,8,0   >YU
250 SYMBOL  56,60,36,36,60,36,36,60 >CH
,0
260 SYMBOL  57,60,36,36,60,4,36,60, >BW
0
270 SYMBOL  58,0,0,24,24,0,24,24,0  >ZG
280 SYMBOL  59,0,0,24,24,0,24,24,48 >AD

290 SYMBOL  60,12,24,48,96,48,24,12 >CK
,0
300 SYMBOL  61,0,0,126,0,0,126,0,0  >ZM
310 SYMBOL  62,96,48,24,12,24,48,96 >CT
,0
320 SYMBOL  63,60,102,102,12,24,0,2 >CT
4,0
330 SYMBOL  64,96,16,120,12,124,204 >FG
,118,0
340 SYMBOL  65,28,34,34,34,62,34,34 >CG
,0
350 SYMBOL  66,62,34,38,56,38,34,62 >CV
,0
360 SYMBOL  67,62,34,32,32,32,34,62 >CC
,0
370 SYMBOL  68,60,34,34,34,34,34,60 >CG
,0
380 SYMBOL  69,62,34,32,56,32,34,62 >CN
,0
390 SYMBOL  70,62,34,32,56,32,32,32 >CA
,0
400 SYMBOL  71,60,66,64,64,66,66,62 >CU
,0
410 SYMBOL  72,34,34,34,62,34,34,34 >CZ
,0
420 SYMBOL  73,62,8,8,8,8,8,62,0    >YR
430 SYMBOL  74,14,4,4,4,4,68,120,0  >ZT
440 SYMBOL  75,34,34,36,56,36,34,34 >CN
,0
450 SYMBOL  76,32,32,32,32,32,32,62 >CV
,0
460 SYMBOL  77,34,34,54,42,34,34,34 >CK
,0
470 SYMBOL  78,34,50,42,38,34,34,34 >CM
,0
480 SYMBOL  79,28,34,34,34,34,34,28 >CV
,0
490 SYMBOL  80,60,34,34,60,32,32,32 >CX
,0
500 SYMBOL  81,28,34,34,34,36,34,24 >CC
,0
510 SYMBOL  82,62,34,34,60,34,34,34 >CA
,0
520 SYMBOL  83,62,34,32,62,2,2,62,0 >AB

530 SYMBOL  84,62,8,8,8,8,8,8,0     >XT
540 SYMBOL  85,34,34,34,34,34,34,62 >CH
,0
550 SYMBOL  86,34,34,34,34,34,20,8, >BW
0
560 SYMBOL  87,34,34,34,42,42,54,34 >CL
```

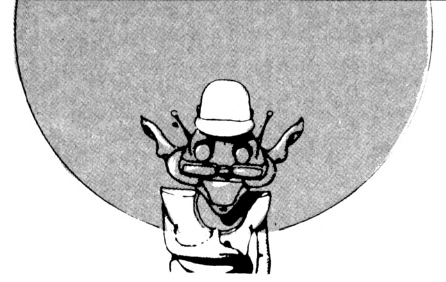


```
,0
570 SYMBOL  88,34,34,20,28,54,34,34 >CN
,0
580 SYMBOL  89,34,34,34,28,8,8,28,0 >AH

590 SYMBOL  90,62,34,2,4,8,18,62,0  >ZG
600 SYMBOL 243,63,31,8,14,7,7,3,3   >ZZ
610 SYMBOL 242,252,248,16,112,224,2 >LA
24,192,192
620 SYMBOL 241,192,96,51,31,31,51,5 >ED
7,61
630 SYMBOL 240,3,6,204,248,248,204, >HF
156,188
640 '****************               >TA
650 '*   ASSEMBLAGE  *              >TB
660 '****************               >TC
670 H$=CHR$(255)+CHR$(254)+CHR$(8)+ >UG
CHR$(8)+CHR$(10)+CHR$(253)+CHR$(252
)
680 M$=CHR$(251)+CHR$(250)+CHR$(8)+ >UQ
CHR$(8)+CHR$(10)+CHR$(249)+CHR$(248
)
690 C$=CHR$(247)+CHR$(246)+CHR$(8)+ >UH
CHR$(8)+CHR$(10)+CHR$(245)+CHR$(244
)
700 E$=CHR$(241)+CHR$(240)+CHR$(8)+ >UJ
CHR$(8)+CHR$(10)+CHR$(243)+CHR$(242
)
705 S$=CHR$(128)+CHR$(128)+CHR$(8)+ >UV
CHR$(8)+CHR$(10)+CHR$(128)+CHR$(128
)
710 '***********                    >RJ
720 '*   MENU  *                    >RK
730 '***********                    >TA
740 MODE 1:PEN 1:FOR T=1 TO 40 STEP >AQ
 2:LOCATE T,8:PRINT M$:NEXT:FOR T=1
 TO 40 STEP 2:LOCATE T,21:PRINT M$:
NEXT
789 PRINT CHR$(23)CHR$(1);:TAG:MOVE >AF
 170,236,1:PRINT"1) START GAME";:MO
VE 172,238,2:PRINT"1) START GAME";
790 MOVE 170,188,1:PRINT "2) JOYSTI >CA
CK";:MOVE 172,190,2:PRINT "2) JOYST
ICK";
800 MOVE 170,142,1:PRINT "3) KEYBOA >MY
RD";:MOVE 172,140,2:PRINT "3) KEYBO
ARD";:TAGOFF
810 IF D=1 THEN LOCATE 23,17:PEN 2: >RX
PRINT CHR$(227)
820 IF D=75 THEN LOCATE 23,14:PEN 2 >TA
:PRINT CHR$(227)
830 IF INKEY(14)=0 THEN D=75:G=74:H >HZ
=72:B=73:LOCATE 23,17:PRINT CHR$(12
8):GOTO 810
835 PEN 2:LOCATE 5,25:PRINT "RALF B >HM
Y JULIEN FREDERIC (1990)"
840 IF INKEY(5)=0 THEN D=1:G=8:H=0: >BU
B=2:LOCATE 23,14:PRINT CHR$(128):GO
TO 810
850 IF INKEY(13)=0 THEN CLS:GOTO 87 >DN
0
855 PEN 1:LOCATE 5,25:PRINT "RALF B >HN
Y JULIEN FREDERIC (1990)"
860 GOTO 830                        >AB
870 '**************                 >TF
880 '*    DECOR    *                >TG
890 '**************                 >TH
900 PEN 1:FOR T=1 TO 40 STEP 2:LOCA >YF
TE T,1:PRINT M$:NEXT
910 PEN 1:FOR T=1 TO 40 STEP 2:LOCA >AJ
TE T,17:PRINT M$:NEXT
920 PEN 1:FOR T=3 TO 15 STEP 2:LOCA >ZD
TE 1,T:PRINT M$:NEXT
930 PEN 1:FOR T=3 TO 15 STEP 2:LOCA >AV
TE 39,T:PRINT M$:NEXT
940 PAPER 3:PEN 2:LOCATE 1,20:PRINT >VC
 CHR$(227)+STRING$(38,227)+CHR$(227
)
950 PEN 2:LOCATE 1,24:PRINT CHR$(22 >KJ
7)+STRING$(38,227)+CHR$(227)
960 PEN 2:FOR T=21 TO 23:LOCATE 1,T >AW
:PRINT CHR$(227):NEXT
970 PEN 2:FOR T=21 TO 23:LOCATE 40, >MG
T:PRINT CHR$(227):NEXT:PAPER 0
980 TAG:MOVE 70,61,1:PRINT"SCORES 0 >DE
00   LIVES 4   LEVEL 1";:MOVE 72,63
,2:PRINT"SCORES 000   LIVES 3   LEV
EL 1";:TAGOFF:
990 ' ***************               >TJ
1000 '* RESTORE TAB *               >XD
1010 '***************               >XE
1020 IF TABL=1 THEN XC=37:YC=3:XD=1 >VX
1:YD=7:F=300:RESTORE 1220:GOTO 1170

1030 IF TABL=2 THEN XC=17:YC=7:XD=2 >VZ
7:YD=7:f=800:RESTORE 1490:GOTO 1170

1040 IF TABL=3 THEN XC=17:YC=3:XD=1 >WX
1:yd=3:f=1400:RESTORE 1550:GOTO 117
0
1050 IF TABL=4 THEN XC=35:YC=5:XD=2 >WM
5:YD=5:F=2300:RESTORE 1670:GOTO 117
0
1060 IF TABL=5 THEN XC=35:YC=3:XD=2 >WJ
1:YD=3:F=2900:RESTORE 1730:GOTO 117
0
1070 IF TABL=6 THEN XC=35:YC=5:XD=1 >WD
9:YD=9:F=3400:RESTORE 1780:GOTO 117
0
1080 IF TABL=7 THEN XC=21:YC=3:XD=1 >WH
1:YD=3:F=3900:RESTORE 1910:GOTO 117
0
1090 IF TABL=8 THEN 1810            >RL
1100 IF TABL=9 THEN XC=37:YC=3:XD=1 >AQ
1:YD=7:RETORE :GOTO
1110 IF TABL=10 THEN XC=37:YC=3:XD= >BH
11:YD=7:RETORE :GOTO
1130 IF TABL=11 THEN 'GAGNE         >NF
1140 '**************                >XJ
1150 '*  AFFICHE TAB *              >XK
1160 '**************                >YA
1170 READ X,Y:IF X=-1 THEN 1180 ELS >EN
E LOCATE X,Y:PEN 1:PRINT M$:PAPER 0
:GOTO 1170
1180 READ X,Y:IF X=-1 THEN 1280 ELS >RC
E LOCATE X,Y:PAPER 1:PEN 2:PRINT C$
:PAPER 0:GOTO 1180
1190 '***************               >YD
1200 '*   TABLEAU 2 *               >XF
1210 '***************               >XG
1220 DATA 5,5,7,5,9,5,11,5,13,5,15, >EA
5,17,5,19,5,21,5,23,5,25,5,27,5,29,
5,31,5,33,5,35,5,37,5,5,7,23,7,27,7
,37,7,5,9,9,11,9,13,9,17,9,23,9,2
7,9,37,9,5,11,13,11,17,11,37,11,5,1
3,7,13,9,13,11,13,15,13,17,13,25,13
,37,13,25,15,29,15,31,15,33,15,35,1
5,37,15
1230 DATA -1,-1                     >NH
1240 DATA 25,7,15,11,13,13,-1,-1    >XC
1250 '***************               >YA
1260 '* DEPLACEMENT *               >YB
1270 '***************               >YC
1280 ORIGIN 0,400:X=XC:Y=YC:X1=XD:Y >MY
1=YD:LOCATE X,Y:PEN 2:PRINT H$:PEN
3:LOCATE X1,Y1:PRINT E$:FOR t=1 TO
500:NEXT
1285 SENS=INT(RND*4)+1              >RQ
1290 IF INKEY(D)=0 THEN C=TEST((X+2 >RL
)*16-8,-(Y*16)+6):IF C=1 THEN 1330
ELSE IF C=2 THEN LOCATE X,Y:PRINT S
$:X=X+2:LOCATE X,Y:PRINT H$:GOSUB 1
410 ELSE LOCATE X,Y:PRINT S$:X=X+2:
LOCATE X,Y:PRINT H$:SOUND 1,300,5,1
,1,1,15:IF X=X1 AND Y=Y1 THEN 1450
ELSE 1330
1300 IF INKEY(G)=0 THEN C=TEST((X-1 >RL
)*16-8,-(Y*16)+6):IF C=1 THEN 1330
ELSE IF C=2 THEN LOCATE X,Y:PRINT S
$:X=X-2:LOCATE X,Y:PRINT H$:GOSUB 1
410 ELSE LOCATE X,Y:PRINT S$:X=X-2:
LOCATE X,Y:PRINT H$:SOUND 1,300,5,1
,1,1,15:IF X=X1 AND Y=Y1 THEN 1450
ELSE 1330
1310 IF INKEY(H)=0 THEN C=TEST((X*1 >AB
6)-8,-(((Y-1)*16)-6)):IF C=1 THEN 1
330 ELSE IF C=2 THEN LOCATE X,Y:PRI
NT S$:Y=Y-2:LOCATE X,Y:PRINT H$:GOS
UB 1410 ELSE LOCATE X,Y:PRINT S$:Y=
Y-2:LOCATE X,Y:PRINT H$:SOUND 1,300
,5,1,1,1,15:IF X=X1 AND Y=Y1 THEN 1
```



```
450
1320 IF INKEY(B)=0 THEN C=TEST((X*1 >AQ
6)-8,-(((Y+2)*16)-6)):IF C=1 THEN 1
330 ELSE IF C=2 THEN LOCATE X,Y:PRI
NT S$:Y=Y+2:LOCATE X,Y:PRINT H$:GOS
UB 1410 ELSE LOCATE X,Y:PRINT S$:Y=
Y+2:LOCATE X,Y:PRINT H$:SOUND 1,300
,5,1,1,1,15:IF X=X1 AND Y=Y1 THEN 1
450
1330 IF SENS=1 THEN C=TEST((X1+2)*1 >HE
6-8,-(Y1*16)+6):IF C=1 THEN 1285 EL
SE LOCATE X1,Y1:PRINT S$:X1=X1+2:PE
N 3:LOCATE X1,Y1:PRINT E$:IF X=X1 A
ND Y=Y1 THEN 1450 ELSE PEN 2:GOTO 1
290
1340 IF SENS=2 THEN C=TEST((X1-1)*1 >HK
6-8,-(Y1*16)+6):IF C=1 THEN 1285 EL
SE LOCATE X1,Y1:PRINT S$:X1=X1-2:PE
N 3:LOCATE X1,Y1:PRINT E$:IF X=X1 A
ND Y=Y1 THEN 1450 ELSE PEN 2:GOTO 1
290
1350 IF SENS=3 THEN C=TEST((X1*16)- >TV
8,-(((Y1-1)*16)-6)):IF C=1 THEN 128
5  ELSE LOCATE X1,Y1:PRINT S$:Y1=Y1
-2:PEN 3:LOCATE X1,Y1:PRINT E$:IF X
=X1 AND Y=Y1 THEN 1450 ELSE PEN 2:G
OTO 1290
1360 IF SENS=4 THEN C=TEST((X1*16)- >RZ
8,-(((Y1+2)*16)-6)):IF C=1 THEN 128
5 ELSE LOCATE X1,Y1:PRINT S$:Y1=Y1+
2:PEN 3:LOCATE X1,Y1:PRINT E$:IF X=
X1 AND Y=Y1 THEN 1450 ELSE PEN 2:GO
TO 1290
1370 PEN 2:GOTO 1290                >NN
1380 '**************                >YE
1390 '*RECUPERATION*                >YF
1400 '**************                >XH
1410 LOCATE 12,22:PRINT "    ":ORIG >FQ
IN 0,0:SOUND 1,200,10,1,1,15:SC=SC+
100:TAG:MOVE 160,61,1:PRINT SC;:MOV
E 162,63,2:PRINT SC;:TAGOFF:IF SC=F
 THEN TABL=TABL+1:WINDOW#1,3,38,3,1
6:PAPER#1,0:CLS#1:GOTO 1415 ELSE OR
IGIN 0,400:RETURN
1415 LOCATE 34,22:PRINT "  ":ORIGIN >KD
 0,0:TAG:MOVE 530,61,1:PRINT tabl;:
MOVE 532,63,2:PRINT tabl;:TAGOFF:GO
TO 1000
1420 '**************                >XK
1430 '*   VIE -1   *                >YA
1440 '**************                >YB
1450 vie=vie-1:LOCATE x1,y1:PRINT s >HG
$:IF vie=0 THEN 1460 ELSE ENV 1,1,0
,10,5,-1,5,5,-1,3:SOUND 7,2300,50,1
5,1,,15:FOR w=1 TO 9:FOR z=20 TO 1
STEP -2:OUT &BC00,5:OUT &BD00,z:NEX
T:NEXT:OUT &BC00,5:OUT &BD00,0:ENT
1,100,2,2:ENV 1,100,3,1
1455 LOCATE 24,22:PRINT "  ":ORIGIN >EE
 0,0:TAG:MOVE 360,61,1:PRINT vie;:M
OVE 362,63,2:PRINT vie;:TAGOFF:ORIG
IN 0,400:GOTO 1280
1460 '**************                >YD
1470 '*  TABLEAU 2 *                >YE
1480 '**************                >YF
1490 DATA 3,3,5,3,9,3,11,3,13,3,37, >KV
3,3,5,9,5,11,5,13,5,17,5,19,5,21,5,
25,5,27,5,29,5,31,5,33,5,37,5,3,7,5
,7,9,7,33,7,37,7,3,9,9,9,13,9,15,9,
17,9,19,9,23,9,25,9,27,9,29,9,37,9,
3,11,5,11,9,11,15,11,25,11,33,11,37
,11
1500 DATA 3,13,5,13,9,13,11,13,13,1 >NH
3,15,13,17,13,19,13,21,13,23,13,25,
13,29,13,31,13,33,13,37,13,3,15,5,1
5,37,15,-1,-1
1510 DATA 5,5,23,5,5,9,33,9,19,11,- >DF
1,-1
1520 '**************                >YA
1530 '*  TABLEAU 3 *                >YB
1540 '**************                >YC
1550 DATA 7,3,9,3,37,3,5,5,7,5,13,5 >VW
,17,5,21,5,23,5,25,5,27,5,29,5,33,5
,37,5,5,7,13,7,15,7,17,7,19,7,21,7,
23,7,25,7,27,7,29,7,33,7,37,7,5,9,1
1,9,13,9,15,9,17,9,19,9,21,9,23,9,2
5,9,27,9,29,9,33,9,5,11,29,11,33,11
,37,11
1560 DATA 5,13,7,13,9,13,13,13,15,1 >KV
3,17,13,19,13,23,13,25,13,29,13,33,
13,37,13,13,15,25,15,37,15,-1,-1
1570 DATA 5,3,15,5,19,5,37,9,15,15, >LB
23,15,-1,-1
1580 '**************                >YG
1590 '* GAME OVER  *                >YH
1600 '**************                >XK
1610 WINDOW#1,15,25,8,10:PAPER#1,3: >HU
CLS#1
1620 PAPER 3:PEN 1:LOCATE 16,9:PRIN >BD
T"GAME OVER":PAPER 0
1630 FOR T=1 TO 5000:NEXT:GOTO 15   >AB
1640 '**************                >YD
1650 '*  TABLEAU 4 *                >YE
1660 '**************                >YF
1670 DATA 9,3,11,3,19,3,21,3,25,3,2 >AH
7,3,29,3,33,3,35,3,37,3,5,5,13,5,37
,5,5,7,9,7,17,7,21,7,23,7,25,7,29,7
,31,7,33,7,37,7,7,9,9,9,13,9,17,9,3
3,9,5,11,9,11,17,11,21,11,23,11,27,
11,29,11,37,11,5,13,9,13,11,13,15,1
3,17,13,29,13,33,13,37,13
1680 DATA 3,15,5,15,21,15,23,15,37, >HN
15,-1,-1
1690 DATA 23,3,31,3,13,7,27,7,5,9,3 >DY
7,9,25,11,33,11,13,13,-1,-1
1700 '**************                >YA
1710 '*  TABLEAU 5 *                >YB
1720 '**************                >YC
1730 DATA 37,3,13,5,15,5,17,5,19,5, >DB
21,5,23,5,31,5,33,5,5,7,11,7,27,7,5
,9,11,9,17,9,19,9,21,9,23,9,25,9,29
,9,31,9,33,9,37,9,5,11,7,11,11,11,1
5,11,33,11,37,11,5,13,9,13,11,13,15
,13,19,13,21,13,23,13,25,13,27,13,2
9,13,31,13,33,13,15,15,37,15,-1,-1
1740 DATA 5,5,11,5,15,9,27,9,7,13,3 >KF
7,13,-1,-1
1750 '**************                >YF
1760 '*  TABLEAU 6 *                >YG
1770 '**************                >YH
1780 DATA 9,3,11,3,15,3,17,3,19,3,2 >VV
1,3,23,3,25,3,27,3,29,3,31,3,33,3,3
5,3,37,3,5,5,9,5,37,5,5,7,9,5,11,7,
13,7,15,7,17,7,19,7,21,7,23,7,27,7,
29,7,31,7,33,7,35,7,37,7,5,9,23,9,2
7,9,35,9,37,9,5,11,7,11,19,11,27,11
,33,11,35,11,37,11,5,13,7,13,9,13,1
1,13
1790 DATA 13,13,15,13,17,13,21,13,2 >QK
3,13,31,13,33,13,35,13,37,13,23,15,
37,13,31,13,33,13,35,13,37,13,-1,-1

1800 DATA 13,3,17,7,31,11,19,13,27, >HF
13,-1,-1
1810 '***************               >YC
1820 '*    GAGNE    *               >YD
1830 '***************               >YE
1840 OUT &BC00,7:OUT &D00,40        >VW
1850 FOR T=3 TO 38:FOR E=3 TO 16:PE >XH
N 1:LOCATE T,E:PRINT CHR$(207):NEXT
 E,T
1860 SYMBOL AFTER 32:PRINT CHR$(23) >BZ
CHR$(1);:TAG:MOVE 110,320,3:PRINT"B
RAVO,GRACE A VOUS RALF";:MOVE 110,2
00,3:PRINT"PEU RETOURNER CHEZ LUI";
:
1870 OUT &BC00,7:OUT &BD00,30:FOR T >BX
=1 TO 9000:NEXT:GOTO 15
1880 '***************               >YK
1890 '*  TABLEAU 7  *               >ZA
1900 '***************               >YC
1910 DATA 25,3,27,3,29,3,33,3,35,3, >GX
37,3,5,5,7,5,9,5,11,5,15,5,17,5,19,
5,21,5,37,5,37,5,5,7,21,7,37,7,5,9,
11,9,21,9,25,9,27,9,29,9,33,9,35,9,
37,9,11,11,13,11,15,11,17,11,19,11,
21,11,37,11,5,13,37,13,13,15,15,15,
17,15,19,15,23,15,25,15,27,15,-1,-1

1920 DATA 31,3,13,5,31,9,5,11,21,15 >FU
,-1,-1
```

AGENT Z33

Philippe MENAGER

Valable pour CPC 464 – 6128

"Agent Z33, voici vos instructions : vous devez récupérer les morceaux de microfilm cachés par l'agent Z32 sous les pyramides d'Egypte. Attention aux sbires de Mr Big".

```
10 REM *********************          >TF
20 REM ** AGENT SECRET Z33 **         >VL
30 REM **                  **         >NH
40 REM ***Philippe MENAGER***         >YA
50 MODE 1:INK 0,0:BORDER 0:INK 1,7: >XD
INK 2,15:INK 3,8:Z=0
60 A$="A G E N T   S E C R E T   Z >UC
3 3":Y=8:GOSUB 90
70 A$="par":Y=12:GOSUB 90           >VK
80 A$="Philippe Ménager":Y=16:Z=1   >HZ
90 A=(40-LEN(A$))/2                 >MA
100 LOCATE A,Y:PEN 2:PRINT A$:PEN 1 >BH
:LOCATE A,Y+1:PRINT STRING$(LEN(A$)
,154)
110 IF Z=0 THEN RETURN              >QU
120 PEN 3:LOCATE 2,24:PRINT"Chargem >EQ
ent en cours ..."
130 RUN"!AGENT1"                    >LW
```






```
10 REM *********************          >TF
20 REM **                  **         >NG
30 REM ** AGENT SECRET Z33 **         >VM
40 REM **                  **         >NJ
50 REM ***Philippe Ménager***         >YK
60 MODE 1:INK 0,0:INK 1,26:INK 2,7: >TZ
INK 3,2:BORDER 0
70 KEY 139,CHR$(13)+"MODE 2:INK 1,2 >RM
6:PEN 1:LIST"
80 WINDOW#1,2,39,1,24:PAPER#1,1:CLS >PU
#1:PEN#1,0
90 SC=0:VIES=3:COD=0:TA=1           >VW
100 DIM ED(4):DIM EG(4):DIM PB(20,2 >NV
5):DIM TA(6)
110 '*******************            >RC
120 '****PRESENTATION****           >RD
130 '*******************            >RE
140 GOSUB 360                       >HD
150 PEN 1:Z=0:TA=1:SC=0:VIES=3      >ZF
160 FOR I=1 TO 24:LOCATE 1,I:PRINT  >WY
CHR$(129):LOCATE 40,I:PRINT CHR$(12
9)
170 NEXT I                          >MG
180 GOSUB 4660                      >QG
190 CLS#1                           >EF
200 A$="Agent Z33 voici vos instruc >KR
tions:":A=LEN(A$)+2:Y=4:Z=2:GOSUB 2
70
210 A$="Vous devez récupérer les mo >GC
rceaux":A=LEN(A$)+2:Y=7:GOSUB 270
220 A$="du microfilm cachés par l'a >FG
gent Z32":A=LEN(A$)+2:Y=9:GOSUB 270

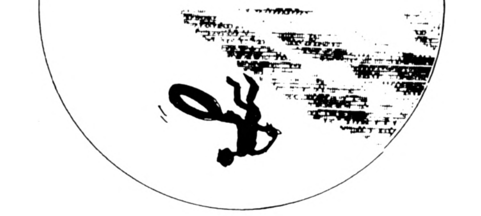
230 A$="sous les pyramides d' Egypt >YK
e.":A=LEN(A$)+2:Y=11:GOSUB 270
240 A$="Attention aux sbires de":A= >PF
LEN(A$)+2:Y=14:GOSUB 270
250 A$="Mister Big !":A=LEN(A$)+2:Y >UD
=16:GOSUB 270
260 A$="ESPACE ou FIRE pour commenc >NR
er":A=LEN(A$)+2:Z=1:Y=20
270 FOR I=1 TO A                    >XC
280 PEN#1,3:LOCATE#1,((40-A)/2)+1,Y >YH
:PRINT#1,MID$(A$,I,1):SOUND 1,200,1
,15:SOUND 1,0,5:NEXT
290 IF Z=2 THEN LOCATE#1,(40-A)/2+1 >CG
,Y+1:PEN#1,2:PRINT#1,STRING$(LEN(A$
),125)
300 IF Z=0 OR Z=2 THEN Z=0:RETURN   >AG
310 J=JOY(0):IF J<>16 THEN 330      >XD
```



```
320 IF J=16 THEN 340                       >MJ
330 IF INKEY(47)<>0 THEN 310               >VP
340 GOTO 1090                              >FE
350 '******************                    >RJ
360 '****GRAPHIQUES****                    >RK
370 '******************                    >TA
380 SYMBOL AFTER 120                       >PX
390 SYMBOL 129,195,231,255,255,255,        >MW
255,231,195
400 '====Paysage====                       >RE
410 SYMBOL 124,255,255,255,255,255,        >MP
255,255,255
420 SYMBOL 125,0,0,0,255,255               >VT
430 SYMBOL 130,0,0,0,0,0,0,48,48           >YR
440 SYMBOL 131,0,0,0,0,0,0,8,12            >XB
450 SYMBOL 132,0,0,0,0,1,1,3,3             >WY
460 SYMBOL 133,120,120,252,252,254,        >MR
254,255,255
470 SYMBOL 134,4,6,2,3,1,1                 >TP
480 SYMBOL 135,0,0,0,128,128,192,19        >FJ
2,224
490 SYMBOL 136,7,7,15,15,31,31,63,6        >CJ
3
500 SYMBOL 137,255,255,255,255,255,        >MU
255,255,255
510 SYMBOL 138,128,128,192,192,224,        >MX
224,240,240
520 SYMBOL 139,96,120,56,60,28,30,1        >EB
4,15
530 SYMBOL 140,0,0,0,0,0,0,0,3             >WQ
540 SYMBOL 141,0,0,0,0,0,0,0,144           >YE
550 SYMBOL 142,2,0,7,6,4                   >RT
560 SYMBOL 143,160,252,244,32              >WK
570 SYMBOL 144,0,0,0,128,192,64,64,        >CA
64
580 SYMBOL 145,0,0,0,0,0,0,1,1             >WA
590 SYMBOL 146,0,0,96,96,240,240,24        >FF
8,248
600 SYMBOL 147,0,0,16,24,8,12,4,7          >ZQ
610 SYMBOL 148,3,3,7,7,15,15,31,31         >AD
620 SYMBOL 149,252,252,254,254,255,        >MR
255,255,255
630 SYMBOL 150,3,3,1,1                     >PV
640 SYMBOL 151,0,0,0,0,0,0,128,128         >AF
650 SYMBOL 152,0,128,128,224,224,24        >KM
0,112,120
660 SYMBOL 153,0,0,0,0,1,1,0,3             >WB
670 SYMBOL 154,0,0,0,0,204,80,126,2        >CC
50
680 SYMBOL 155,0,0,0,0,0,0,0,57            >XQ
690 SYMBOL 156,0,0,0,0,3,2,0,7             >WQ
700 SYMBOL 157,0,0,0,0,152,160,252,        >DT
248
710 SYMBOL 158,3,2                         >MC
720 SYMBOL 159,16                          >LY
730 SYMBOL 160,42,15,127,98,64             >XZ
740 SYMBOL 161,6,196,64                    >QY
750 SYMBOL 162,32                          >LT
760 SYMBOL 163,64,64,96,32,32,32,32        >DV
,32
770 SYMBOL 164,0,0,0,8,12,4,4,4            >XC
780 SYMBOL 165,128,128,192,64,64,64        >GL
,64,64
790 SYMBOL 166,0,0,0,0,48,48,120,12        >BA
0
800 SYMBOL 167,0,0,0,0,8,12,4,6            >XX
810 SYMBOL 168,0,0,1,1,3,3,7,7             >WY
820 SYMBOL 169,252,252,254,254,255,        >MV
255,255,254
830 SYMBOL 170,0,0,0,0,48,48,120,12        >BP
0
840 SYMBOL 171,2,3,1,1,0,0,0,1             >WE
850 SYMBOL 172,0,128,128,192,200,20        >KX
4,132,134
860 SYMBOL 173,15,15,31,31,63,63,12        >FT
7,127
870 SYMBOL 174,254,252,253,249,251,        >MX
243,247,247
880 SYMBOL 175,252,252,254,254,255,        >MZ
255,255,255
890 SYMBOL 176,1,3,2,6,4,12,8,8            >XX
900 SYMBOL 177,2,3,1,1                     >PD
910 SYMBOL 178,0,128,128,192,192,22        >JC
4,96,112
920 SYMBOL 179,0,0,0,0,0,0,128,128         >AT
930 '====Personnage et objet====           >TC
940 SYMBOL 180,6,6,60,15,20,98,2,0:        >PC
BD$=CHR$(180)
950 SYMBOL 181,96,96,60,240,40,70,1        >UU
28:BG$=CHR$(181)
960 SYMBOL 182,255,129,159,159,158,        >FL
158,156,240:MUR$=CHR$(182)
970 SYMBOL 183,56,56,146,124,16,40,        >XH
40,40:BT$=CHR$(183)
980 SYMBOL 184,66,126,66,126,66,126        >AM
,66,126:ECH$=CHR$(184)
990 SYMBOL 185,24,24,126,126,24,24,        >VW
8:TOMB$=CHR$(185)
1000 SYMBOL 186,0,126,96,96,96,96,9        >XA
6,0:MUR2$=CHR$(186)
1010 SYMBOL 187,0,0,0,0,1,1,3,15:MU        >QD
R3$=CHR$(187)
1020 SYMBOL 188,130,68,0,0,0,68,130        >TX
:COD$=CHR$(188)
1030 SYMBOL 189,124,130,186,162,186        >CH
,130,124:COD1$=CHR$(189)
1040 SYMBOL 190,130,68,0,0,0,0,68,1        >RL
30:F$=CHR$(190)
1050 SYMBOL 191,124,130,186,162,178        >ET
,162,130,124:F1$=CHR$(191)
1060 SYMBOL 192,0,0,0,0,0,0,52,127:        >UN
TOMB1$=CHR$(192)
1070 RETURN                                >FB
1080 '************************             >YB
1090 '***AFFICHAGE PAYSAGE****             >YC
1100 '************************             >XE
1110 MODE 0:INK 1,15:INK 2,3:INK 3,        >RJ
18:INK 4,6:INK 5,13:INK 6,24:INK 7,
11:INK 8,26:INK 9,26:INK 10,7:INK 1
1,26:INK 12,13,26:WINDOW#1,1,20,1,3
:PAPER#1,7:CLS#1
1120 MTR$=CHR$(22)+CHR$(1):MN$=CHR$        >GZ
(22)+CHR$(0):PRINT#1,MTR$
1130 PEN#1,1                               >YE
1140 LOCATE#1,3,1:PRINT#1,CHR$(130)        >BG
:PEN#1,2:LOCATE#1,3,1:PRINT#1,CHR$(
131)
1150 PEN#1,1:LOCATE#1,2,2:PRINT#1,C        >YV
HR$(132);CHR$(133)
1160 PEN#1,2:LOCATE#1,3,2:PRINT#1,C        >YC
HR$(134);CHR$(135)
1170 PEN#1,1:LOCATE#1,2,3:PRINT#1,C        >KY
HR$(136);CHR$(137);CHR$(138)
1180 PEN#1,2:LOCATE#1,4,3:PRINT#1,C        >LH
HR$(139)
1190 PEN#1,3:LOCATE#1,5,2:PRINT#1,C        >GJ
HR$(140);CHR$(141):LOCATE#1,5,3:PRI
NT#1,CHR$(142);CHR$(143)
1200 PEN#1,1:LOCATE#1,6,3:PRINT#1,C        >LX
HR$(144)
1210 LOCATE#1,7,2:PRINT#1,CHR$(145)        >RY
;CHR$(146):PEN#1,2:LOCATE#1,8,2:PRI
NT#1,CHR$(147)
1220 PEN#1,1:LOCATE#1,7,3:PRINT#1,C        >KA
HR$(148);CHR$(149);CHR$(151)
1230 PEN#1,2:LOCATE#1,8,3:PRINT#1,C        >YD
HR$(150);CHR$(152)
1240 PEN#1,3:LOCATE#1,10,2:PRINT#1,        >HW
CHR$(153);CHR$(154);CHR$(155);CHR$(
156);CHR$(157);:LOCATE#1,10,3:PRINT
#1,CHR$(158);CHR$(159);CHR$(160);CH
R$(161)
1250 PEN#1,1:LOCATE#1,11,3:PRINT#1,        >YF
CHR$(163);CHR$(164);CHR$(32);CHR$(1
65)
1260 PEN#1,1:LOCATE#1,17,1:PRINT#1,        >RP
CHR$(166):PEN#1,2:LOCATE#1,17,1:PRI
NT#1,CHR$(167)
1270 PEN#1,1:LOCATE#1,16,2:PRINT#1,        >RJ
CHR$(168);CHR$(169);CHR$(170):PEN#1
,2:LOCATE#1,17,2:PRINT#1,CHR$(171);
CHR$(172)
1280 PEN#1,1:LOCATE#1,16,3:PRINT#1,        >FA
CHR$(173);CHR$(174);CHR$(175);CHR$(
179):PEN#1,2:LOCATE#1,17,3:PRINT#1,
CHR$(176);CHR$(177);CHR$(178)
1290 '**************************           >YE
1300 '****AFFICHAGE TABLEAUX****           >XG
1310 '**************************           >XH
1320 WINDOW#2,1,20,4,24:PAPER#2,0:C        >GV
LS#2
```



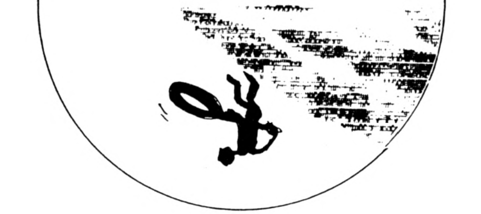
```
1330 PRINT#2,MTR$:RESTORE 1510                    >ZX
1340 ON TA GOSUB 1500,1780,2040,231               >LX
0,2580,2850
1350 CLS#2:PEN#2,12:LOCATE#2,7,10:P               >NJ
RINT#2,"TABLEAU ";USING"#";TA
1360 FOR H=1 TO 2000:NEXT                         >TJ
1370 CLS#2                                        >LE
1380 FOR B=1 TO 20:FOR A=1 TO 20:PB               >VG
(A,B)=0:NEXT:NEXT
1390 FOR B=1 TO 20:READ DAT$:FOR A=               >GW
1 TO 20
1400 C$=MID$(DAT$,A,1):C=VAL(C$)                  >ZC
1410 IF C=1 THEN PB(A,B)=1:LOCATE#2               >CA
,A,B:PEN#2,1:PRINT#2,MUR$:PEN#2,6:L
OCATE#2,A,B:PRINT#2,MUR2$:LOCATE#2,
A,B:PEN#2,2:PRINT#2,MUR3$
1420 IF C=2 THEN PB(A,B)=2:LOCATE#2               >GY
,A,B:PEN#2,5:PRINT#2,ECH$
1430 IF C=3 THEN PB(A,B)=3:LOCATE#2               >KK
,A,B:PEN#2,4:PRINT#2,COD$:LOCATE#2,
A,B:PEN#2,3:PRINT#2,COD1$
1440 IF C=4 THEN PB(A,B)=4:LOCATE#2               >CE
,A,B:PEN#2,4:PRINT#2,F$:LOCATE#2,A,
B:PEN#2,3:PRINT#2,F1$
1450 NEXT:NEXT                                    >HJ
1460 GOTO 3130                                    >MF
1470 '*********************                       >YE
1480 '****DATAS TABLEAUX****                      >YF
1490 '*********************                       >YG
1500 '====Tableau 1====                           >XJ
1510 DATA 00000000000000000000                    >VZ
1520 DATA 00000000000000000000                    >VA
1530 DATA 11100000000021111111                    >WF
1540 DATA 10021111120020001001                    >WJ
1550 DATA 10020003120020001301                    >WM
1560 DATA 11111111111121111121                    >WV
1570 DATA 10000000100020000021                    >WE
1580 DATA 10000003100020000021                    >WJ
1590 DATA 12111111111112111021                    >WY
1600 DATA 12000000010002001021                    >WB
1610 DATA 12000000010002000021                    >WB
1620 DATA 11112112010211111111                    >WQ
1630 DATA 11002102010200000001                    >WF
1640 DATA 11302102010200000001                    >WK
1650 DATA 11111102011111111121                    >WT
1660 DATA 10000102000000000021                    >WE
1670 DATA 14000002000000000021                    >WJ
1680 DATA 11111111111111111111                    >WW
1690 DATA 11000000000100000011                    >WF
1700 DATA 11111111111111111111                    >WN
1710 DATA 20,2,181                                >LG
1720 DATA 10,8,180                                >LM
1730 DATA 11,14,180                               >MA
1740 DATA 4,17,180                                >LT
1750 DATA 3,11,180                                >LL
1760 RETURN                                       >FH
1770 '====Tableau 2====                           >YH
1780 DATA 00000000000000000000                    >WA
1790 DATA 00000000000000000000                    >WB
1800 DATA 11211111111201121201                    >WR
1810 DATA 10200000010201021201                    >WH
1820 DATA 10200000310200021241                    >WQ
1830 DATA 11211111111121111111                    >WV
1840 DATA 10200000010020000001                    >WE
1850 DATA 10200000310020000001                    >WJ
1860 DATA 11111111110020000031                    >WR
1870 DATA 10000000000020121111                    >WL
1880 DATA 11121111112020020001                    >WW
1890 DATA 10021000012020020001                    >WQ
1900 DATA 10020000311111111111                    >WM
1910 DATA 10021111110000000001                    >WF
1920 DATA 10020000000000000001                    >WA
1930 DATA 11111111111211111111                    >WV
1940 DATA 10000000000200000001                    >WC
1950 DATA 11111111111111111111                    >WW
1960 DATA 11000000000100000011                    >WF
1970 DATA 11111111111111111111                    >WY
1980 DATA 2,17,180                                >LX
1990 DATA 3,10,180                                >LR
2000 DATA 11,12,180                               >LX
2010 DATA 2,15,180                                >LD
2020 DATA 15,2,180                                >LE
2030 RETURN                                       >EJ
2040 '====Tableau 3====                           >XJ
2050 DATA 00000000000000000000                    >VZ
2060 DATA 11201211121111110011                    >WN
2070 DATA 10200201020000100001                    >WD
2080 DATA 10200201020003130001                    >WL
2090 DATA 11121111111111111121                    >WU
2100 DATA 10020000000000000021                    >VB
2110 DATA 13020000000000000021                    >VF
2120 DATA 11111112101211111111                    >WL
2130 DATA 10000002010200000001                    >VF
2140 DATA 10000002010200000001                    >VG
2150 DATA 12111202010202111121                    >WQ
2160 DATA 12101202010202100121                    >WN
2170 DATA 12101202010202103121                    >WT
2180 DATA 12121111111111121121                    >WW
2190 DATA 12120000004000020021                    >WM
2200 DATA 12120021111112020021                    >WK
2210 DATA 12020020000002020021                    >WD
2220 DATA 11111111111111111111                    >WL
2230 DATA 11000000000100000011                    >VE
2240 DATA 11111111111111111111                    >WN
2250 DATA 1,1,180                                 >EA
2260 DATA 14,1,180                                >LJ
2270 DATA 11,7,180                                >LN
2280 DATA 3,17,180                                >LR
2290 RETURN                                       >FG
2300 DATA 5,7,180                                 >EG
2310 '====Tableau 4====                           >XJ
2320 DATA 00000000000000000000                    >VZ
2330 DATA 00000000000000000001                    >VB
2340 DATA 11121210012111111211                    >WR
2350 DATA 10021200002130010201                    >WL
2360 DATA 10021200002111210201                    >WN
2370 DATA 11121111111100210201                    >WR
2380 DATA 10020000100021112121                    >WN
2390 DATA 10020000100020002121                    >WL
2400 DATA 11111120100020002121                    >WH
2410 DATA 10031121111111111121                    >WP
2420 DATA 12111020000000000021                    >WD
2430 DATA 12001320000000000021                    >WF
2440 DATA 11211111111111111121                    >WT
2450 DATA 10200000000000000021                    >WB
2460 DATA 10200002111112000021                    >WM
2470 DATA 11112002100012000021                    >WN
2480 DATA 11112002000412000321                    >WW
2490 DATA 11111111111111111111                    >WW
2500 DATA 11000000000100000011                    >VE
2510 DATA 11111111111111111111                    >WN
2520 DATA 1,2,180                                 >EB
2530 DATA 11,9,180                                >LP
2540 DATA 9,12,180                                >LR
2550 DATA 6,17,180                                >LV
2560 DATA 2,8,180                                 >FC
2570 RETURN                                       >FH
2580 '====Tableau 5====                           >YH
2590 DATA 00000000000000000000                    >WA
2600 DATA 11110000000000001111                    >WA
2610 DATA 10010021111211000001                    >WG
2620 DATA 10000021000201121231                    >WM
2630 DATA 11111111121111021111                    >WT
2640 DATA 11110000020001021001                    >WH
2650 DATA 11110000020001020001                    >WH
2660 DATA 10002121111111111201                    >WU
2670 DATA 13002120100000001201                    >WP
2680 DATA 11111120100000001201                    >WP
2690 DATA 10000020121111201201                    >WU
2700 DATA 12111112121301201201                    >WU
2710 DATA 12100012121121201201                    >WR
2720 DATA 12130002120021200211                    >WT
2730 DATA 12111111121111111111                    >WV
2740 DATA 12000000020000000001                    >WD
2750 DATA 12000000020000000041                    >WJ
2760 DATA 11111111111111111111                    >WW
2770 DATA 11000000000100000011                    >WF
2780 DATA 11111111111111111111                    >WY
2790 DATA 2,4,180                                 >FD
2800 DATA 8,2,180                                 >EK
2810 DATA 6,7,180                                 >FD
2820 DATA 3,17,180                                >LR
2830 DATA 3,11,180                                >LL
2840 RETURN                                       >FH
2850 '====Tableau 6====                           >YH
2860 DATA 00000000000000000000                    >WA
2870 DATA 03000000000000000040                    >WJ
2880 DATA 11111111211121111111                    >WB
2890 DATA 11202000201020002021                    >WW
2900 DATA 11212000201320002121                    >WT
2910 DATA 11211111111111111121                    >WV
```



```
2920 DATA 11210000000000000121         >WG
2930 DATA 11200000000000000021         >WF
2940 DATA 11211111111111111121         >WY
2950 DATA 11201300001000003121         >WT
2960 DATA 11201111201021111121         >WZ
2970 DATA 11201000201020000121         >WT
2980 DATA 11201000201020000121         >WU
2990 DATA 11201121111111211121         >WE
3000 DATA 11201121111111211121         >WL
3010 DATA 10211020001000201121         >WD
3020 DATA 11200020001000200021         >WB
3030 DATA 11111111111111111111         >WL
3040 DATA 11000000000100000011         >VE
3050 DATA 11111111111111111111         >WN
3060 DATA 2,16,180                     >LL
3070 DATA 6,5,180                      >FA
3080 DATA 5,17,180                     >LT
3090 DATA 13,17,180                    >MG
3100 DATA 5,8,180                      >EG
3110 RETURN                            >EJ
3120 '**************                   >XJ
3130 '****LE JEU****                   >XK
3140 '**************                   >YA
3150 FOR I=1 TO 4:EG(I)=1:ED(I)=0:N >FC
EXT
3160 READ X,Y,CAR:XD=X:YD=Y:Z=0:W=0 >FW

3170 PEN#2,9:LOCATE#2,X,Y:PRINT#2,C >EF
HR$(CAR):PEN#2,10:LOCATE#2,3,19:PRI
NT#2,"SCORE:";USING"###";SC:LOCATE#
2,13,19:PRINT#2,"VIES:";USING"#";VI
ES
3180 FOR I=1 TO 4                     >CD
3190 READ X(I),Y(I),CAR(I):XD(I)=X( >YA
I):YD(I)=Y(I):PEN#2,10:LOCATE#2,X(I
),Y(I):PRINT#2,CHR$(CAR(I)):NEXT
3200 GOSUB 4110                       >WD
3210 '**************************      >XJ
3220 '****COMMANDES:Joystick****      >XK
3230 '**************************      >YA
3240 J=JOY(0)                         >LD
3250 IF (X=X(1) AND Y=Y(1)) OR (X=X >UV
(2) AND Y=Y(2)) OR (X=X(3) AND Y=Y(
3)) OR (X=X(4) AND Y=Y(4)) THEN GOT
O 3790
3260 IF J=4 AND X>1 THEN SOUND 1,20 >GL
0,5:SOUND 1,250,5:GOSUB 3380
3270 IF J=8 AND X<20 THEN SOUND 1,2 >HA
00,5:SOUND 1,250,5:GOSUB 3490
3280 IF J=2 AND PB(X,Y+1)=2 THEN SO >RM
UND 1,200,5:SOUND 1,250,5:GOSUB 360
0
3290 IF J=1 AND (PB(X,Y-1)=2 OR (PB >NB
(X,Y)=2 AND PB(X,Y-1)=0)) THEN SOUN
D 1,200,5:SOUND 1,250,5:GOSUB 3710
3300 '**************************      >XJ
3310 '****COMMANDES:Clavier*****      >XK
3320 '**************************      >YA
3330 IF INKEY(8)=0 AND X>1 THEN SOU >QC
ND 1,200,5:SOUND 1,250,5:GOSUB 3380

3340 IF INKEY(1)=0 AND X<20 THEN SO >RM
UND 1,200,5:SOUND 1,250,5:GOSUB 349
0
3350 IF INKEY(2)=0 AND PB(X,Y+1)=2  >BB
THEN SOUND 1,200,5:SOUND 1,250,5:GO
SUB 3600
3360 IF INKEY(0)=0 AND (PB(X,Y-1)=2 >BJ
 OR (PB(X,Y)=2 AND PB(X,Y-1)=0)) TH
EN SOUND 1,200,5:SOUND 1,250,5:GOSU
B 3710
3370 GOTO 3200                        >MF
3380 '====Z33 à gauche====            >YG
3390 IF PB(X-1,Y)=1 THEN RETURN       >ZA
3400 IF PB(X-1,Y)>2 THEN R=-1:GOTO  >FB
3930
3410 IF PB(X,Y)=0 THEN PRINT#2,MN$: >ZX
LOCATE#2,X,Y:PRINT#2," ":PRINT#2,MT
R$
3420 IF PB(X,Y)=2 THEN PRINT#2,MN$: >NE
PEN#2,5:LOCATE#2,X,Y:PRINT#2,ECH$:P
RINT#2,MTR$
3430 IF X>2 THEN X=X-1                >PY
3440 IF PB(X,Y)=1 THEN X=X+1          >VW
3450 IF PB(X,Y+1)=0 THEN GOTO 4000    >AR
3460 PEN#2,9:LOCATE#2,X,Y:PRINT#2,B >GY
G$
3470 Z=0:W=0                          >EC
3480 RETURN                           >FJ
3490 '====Z33 à droite====            >YJ
3500 IF PB(X+1,Y)=1 THEN RETURN       >ZQ
3510 IF PB(X+1,Y)>2 THEN R=1:GOTO 3 >EV
930
3520 IF PB(X,Y)=0 THEN PRINT#2,MN$: >ZZ
LOCATE#2,X,Y:PRINT#2," ":PRINT#2,MT
R$
3530 IF PB(X,Y)=2 THEN PRINT#2,MN$: >NG
PEN#2,5:LOCATE#2,X,Y:PRINT#2,ECH$:P
RINT#2,MTR$
3540 IF X<19 THEN X=X+1               >QW
3550 IF PB(X,Y)=1 THEN X=X-1          >VA
3560 IF PB(X,Y+1)=0 THEN GOTO 4000    >AU
3570 PEN#2,9:LOCATE#2,X,Y:PRINT#2,B >XK
D$:PRINT#2,MTR$
3580 Z=0:W=0                          >EE
3590 PRINT#2,MN$:RETURN               >UN
3600 '====Z33 descend====             >YB
3610 PRINT#2,MN$                      >LE
3620 IF PB(X,Y+1)=1 THEN RETURN       >ZU
3630 IF PB(X,Y)=0 THEN PRINT#2,MN$: >ZB
LOCATE#2,X,Y:PRINT#2," ":PRINT#2,MT
R$
3640 IF PB(X,Y-1)=2 THEN PRINT#2,MN >ZF
$:PEN#2,5:LOCATE#2,X,Y-1:PRINT#2,EC
H$
3650 IF PB(X,Y-1)=2 THEN PRINT#2,MN >HA
$:LOCATE#2,X,Y-1:PRINT#2,ECH$:PRINT
#2,MTR$
3660 PRINT#2,MTR$:Y=Y+1:PEN#2,9:LOC >EN
ATE#2,X,Y:PRINT#2,BT$
3670 IF PB(X,Y-1)=2 THEN PRINT#2,MN >ZJ
$:PEN#2,5:LOCATE#2,X,Y-1:PRINT#2,EC
H$
3680 IF Z=0 THEN Z=1:RETURN           >WF
3690 PRINT#2,MN$:PEN#2,5:LOCATE#2,X >ZQ
,Y-1:PRINT#2,ECH$
3700 RETURN                           >FD
3710 '====Z33 monte====               >YD
3720 PRINT#2,MN$                      >LG
3730 IF PB(X,Y+1)=2 THEN PRINT#2,MN >ZB
$:PEN#2,5:LOCATE#2,X,Y+1:PRINT#2,EC
H$
3740 PRINT#2,MTR$:Y=Y-1:PEN#2,9:LOC >EP
ATE#2,X,Y:PRINT#2,BT$
3750 PRINT#2,MN$:PEN#2,5:LOCATE#2,X >ZK
,Y+1:PRINT#2,ECH$
3760 IF W=0 THEN W=1:RETURN           >WY
3770 PRINT#2,MN$:PEN#2,5:LOCATE#2,X >ZM
,Y+1:PRINT#2,ECH$
3780 RETURN                           >GB
3790 '====Z33 perd une vie====        >ZB
3800 PRINT#2,MN$:VIES=VIES-1          >YL
3810 IF VIES<1 THEN TA=7:GOTO 4400    >BA
3820 PEN#2,10:LOCATE#2,13,19:PRINT# >FR
2,"VIES:";USING"#";VIES
3830 FOR I=1 TO 4:PRINT#2,MN$:LOCAT >GQ
E#2,X(I),Y(I):PRINT#2," "
3840 IF PB(X(I),Y(I))=2 THEN PEN#2, >KT
5:PRINT#2,MN$:LOCATE#2,X(I),Y(I):PR
INT#2,ECH$
3850 NEXT                             >LH
3860 LOCATE#2,X,Y:PRINT#2," ":PRINT >MY
#2,MTR$
3870 PEN#2,11:LOCATE#2,X,Y:PRINT#2, >HA
TOMB$:PEN#2,2:LOCATE#2,X,Y:PRINT#2,
TOMB1$
3880 FOR J=250 TO 10 STEP-3:SOUND 1 >LM
,J,5:NEXT
3890 PRINT#2,MN$:LOCATE#2,X,Y:PRINT >GR
#2," ":IF PB(X,Y)=2 THEN PEN#2,5:LO
CATE#2,X,Y:PRINT#2,ECH$
3900 X=XD:Y=YD:PEN#2,9:LOCATE#2,X,Y >BK
:PRINT#2,CHR$(CAR)
3910 PEN#2,10:FOR I=1 TO 3:X(I)=XD( >HW
I):Y(I)=YD(I):LOCATE#2,X(I),Y(I):PR
INT#2,CHR$(CAR(I));:NEXT
3920 GOTO 3200                        >MG
3930 '====Z33 prend objet====         >YH
3940 FOR J=300 TO 120 STEP-20:SOUND >NK
 1,J,2:NEXT
3950 IF PB(X+R,Y)=4 THEN CLS#2:TA=T >DR
```



```
A+1:SC=SC+(20*TA)::PRINT#2,MTR$:GOT
0 4430
3960 PRINT#2,MN$:LOCATE#2,X+R,Y:PRI >UD
NT#2,CHR$(32):COD=COD+1:SC=SC+20
3970 PB(X+R,Y)=0:R=0                >PB
3980 PEN#2,10:LOCATE#2,3,19:PRINT#2 >FX
,"SCORE:";USING"###";SC
3990 GOTO 3220                      >NF
4000 '====Z33 tombe====             >XG
4010 WHILE PB(X,Y+1)<>1             >RZ
4020 IF PB(X-1,Y)=2 THEN PEN#2,5:LO >GC
CATE#2,X-1,Y:PRINT#2,ECH$
4030 IF PB(X+1,Y)=2 THEN PEN#2,5:LO >GZ
CATE#2,X+1,Y:PRINT#2,ECH$
4040 PRINT#2,MN$:LOCATE#2,X,Y:PRINT >LF
#2," "
4050 Y=Y+1:PEN#2,9:LOCATE#2,X,Y:PRI >NT
NT#2,BT$
4060 FOR T=1 TO 100:NEXT            >RA
4070 IF PB(X,Y+1)=2 THEN 4080       >VN
4080 WEND                           >JG
4090 GOTO 3790                      >NK
4100 '***********************       >XH
4110 '****MOUVEMENT ENEMIS****      >XJ
4120 '***********************       >XK
4130 IF (X=X(1) AND Y=Y(1)) OR (X=X >UT
(2) AND Y=Y(2)) OR (X=X(3) AND Y=Y(
3)) OR (X=X(4) AND Y=Y(4)) THEN GOT
0 3790
4140 PRINT#2,MN$                    >LD
4150 FOR I=1 TO 4                   >CB
4160 IF EG(I)=1 AND ED(I)=0 AND X(I >VG
)<20 THEN GOSUB 4200
4170 IF ED(I)=1 AND EG(I)=0 AND X(I >TJ
))1 THEN GOTO 4300
4180 NEXT                           >LE
4190 RETURN                         >FH
4200 '====Enemis à droite====       >XJ
4210 IF PB(X(I)+1,Y(I))=1 THEN ED(I >XV
)=1:EG(I)=0:RETURN
4220 IF PB(X(I)+1,Y(I)+1)=0 THEN ED >ZR
(I)=1:EG(I)=0:RETURN
4230 IF PB(X(I)+1,Y(I))=3 OR PB(X(I >YQ
)+1,Y(I))=4 THEN ED(I)=1:EG(I)=0:RE
TURN
4240 IF PB(X(I),Y(I))=0 THEN LOCATE >YX
#2,X(I),Y(I):PRINT#2," ":PRINT#2,MT
R$
4250 IF PB(X(I),Y(I))=2 THEN PRINT# >GG
2,MN$:PEN#2,5:LOCATE#2,X(I),Y(I):PR
INT#2,ECH$:PRINT#2,MTR$
4260 PEN#2,10:X(I)=X(I)+1:LOCATE#2, >DZ
X(I),Y(I):PRINT#2,CHR$(180):PRINT#2
,MTR$
4270 IF PB(X(I)-1,Y(I))=2 THEN PEN# >XM
2,5:LOCATE#2,X(I)-1,Y(I):PRINT#2,EC
H$
4280 PRINT#2,MN$                    >LJ
4290 RETURN                         >FJ
4300 '====Enemis à gauche====       >XK
4310 IF PB(X(I)-1,Y(I))=1 THEN ED(I >ZU
)=0:EG(I)=1:GOTO 4170
4320 IF PB(X(I)-1,Y(I)+1)=0 THEN ED >BV
(I)=0:EG(I)=1:GOTO 4170
4330 IF PB(X(I)-1,Y(I))=3 OR PB(X(I >AM
)-1,Y(I))=4 THEN ED(I)=0:EG(I)=1:GO
TO 4170
4340 IF PB(X(I),Y(I))=0 THEN LOCATE >YY
#2,X(I),Y(I):PRINT#2," ":PRINT#2,MT
R$
4350 IF PB(X(I),Y(I))=2 THEN PRINT# >KP
2,MN$:PEN#2,5:LOCATE#2,X(I),Y(I):PR
INT#2,ECH$
4360 PEN#2,10:X(I)=X(I)-1:LOCATE#2, >KN
X(I),Y(I):PRINT#2,CHR$(181)
4370 IF PB(X(I)+1,Y(I))=2 THEN PEN# >XJ
2,5:LOCATE#2,X(I)+1,Y(I):PRINT#2,EC
H$
4380 PRINT#2,MN$                    >LK
4390 GOTO 4180                      >NG
4400 '**********************        >YA
4410 '****MISSION TERMINE****       >YB
4420 '**********************        >YC
4430 IF TA<7 THEN GOTO 1340         >UQ
4440 IF COD>=24 THEN A$="MISSION AC >AM
COMPLIE":SCA=SC+100
4450 IF COD<24 THEN A$="MISSION OVE >NJ
R":SCA=SC
4460 MODE 1:INK 0,0:INK 1,26:INK 3, >JG
2:INK 2,6
4470 WINDOW#1,2,39,1,24:PAPER#1,1:C >HC
LS#1
4480 FOR I=1 TO 24                  >LR
4490 LOCATE 1,I:PRINT CHR$(129):LOC >MM
ATE 40,I:PRINT CHR$(129):NEXT
4500 XA=(40-LEN(A$))/2              >PZ
4510 FOR I=1 TO LEN(A$)             >QU
4520 PEN#1,3:LOCATE#1,XA+I,10:PRINT >GT
#1,MID$(A$,I,1):SOUND 1,200,1,15:SO
UND 1,0,5
4530 NEXT I                         >VH
4540 A$="Votre score est de "       >CC
4550 XA=(40-LEN(A$))/2:XA=XA-3      >YG
4560 FOR I=1 TO LEN(A$)             >QZ
4570 PEN#1,3:LOCATE#1,XA+I,14:PRINT >GC
#1,MID$(A$,I,1):SOUND 1,200,1,15:SO
UND 1,0,5
4580 NEXT I                         >WC
4590 PEN#1,2:LOCATE#1,xa+I,14:PRINT >LK
#1,SCA
4600 PEN#1,3:LOCATE#1,5,22:PRINT#1, >YK
"ESPACE ou FIRE pour commencer"
4610 J=JOY(0):IF J<>16 THEN 4630    >YD
4620 IF J=16 THEN 4640              >PD
4630 IF INKEY(47)<>0 THEN 4610      >XB
4640 CLS#1                          >LG
4650 GOTO 110                       >FC
4660 '***************************   >YJ
4670 '****PAGE DE PRESENTATION****  >YK
4680 '***************************   >ZA
4690 XA=0:YA=3:XZ=8:YZ=13:RESTORE 4 >HZ
880
4700 A$="PHILIPPE MENAGER présente" >XW
:A=(38-LEN(A$))/2:LOCATE#1,A,2:PEN#
1,2:PRINT#1,A$
4710 FOR H=1 TO 7:READ DAT$:FOR L=1 >FU
 TO 38
4720 C$=MID$(DAT$,L,1):C=VAL(C$)    >ZY
4730 IF C=1 THEN LOCATE#1,XA+L,YA+H >FP
:PEN#1,3:SOUND 1,200,1,15:PRINT#1,C
HR$(124)
4740 NEXT                           >LG
4750 NEXT                           >LH
4760 RESTORE 4950                   >MC
4770 FOR H=1 TO 7:READ DAT$:FOR L=1 >FV
 TO 24
4780 C$=MID$(DAT$,L,1):C=VAL(C$)    >ZE
4790 IF C=1 THEN LOCATE#1,XZ+L,YZ+H >GA
:SOUND 1,200,1,15:PEN#1,3:PRINT#1,C
HR$(124)
4800 NEXT                           >LD
4810 NEXT                           >LE
4820 PEN#1,3:LOCATE#1,5,22:PRINT#1, >YP
"ESPACE ou FIRE pour commencer"
4830 J=JOY(0):IF J<>16 THEN 4850    >YM
4840 IF J=16 THEN 4860              >PM
4850 IF INKEY(47)<>0 THEN 4830      >XK
4860 RETURN                         >GB
4870 '====DATAS DE PRESENTATION==== >ZB

4880 DATA 0011000001111001111111011 >NC
0001100111111
4890 DATA 0111100011001100110001011 >NA
1001100101101
4900 DATA 1100110110000000110100011 >MX
1101100001100
4910 DATA 1100110110000000111100011 >MZ
0111100001100
4920 DATA 1111110110011100110100011 >MD
0011100001100
4930 DATA 1100110111000100110001011 >MA
0001100001100
4940 DATA 1100110011111101111111011 >NB
0001100011110
4950 DATA 111111100011110000111100  >ZT
4960 DATA 110001100100011001000110  >ZN
4970 DATA 100011000000011000000110  >ZL
4980 DATA 000110000001110000011100  >ZN
4990 DATA 001100100000011000000110  >ZN
5000 DATA 011001100110011001100110  >ZA
5010 DATA 111111100011110000111100  >ZE
```

MUREIF

Renaud HAVRET

Valable pour CPC 464 – 6128



MUREIF est un logiciel qui met en place la programmation d'un petit robot symbolisé à l'écran par un triangle dont la pointe indique l'orientation. Le but est de faire sortir ce robot de plusieurs labyrinthes en le programmant.

Le programme du robot se fait sur dix lignes numérotées de 0 à 9.

Les fonctions comprises par le robot sont les suivantes :

– A fait avancer le robot d'une case dans la direction vers laquelle il est rouné.

– D fait tourner le robot de 90 degrés vers la droite par rapport à son orientation précédente.

– G fait tourner le robot de 90 degrés vers la gauche par rapport à son orientation précédente.

– A?(ligne) pose la question : "Y a-t-il un obstacle devant ?".

Si la réponse est OUI alors le programme va exécuter la ligne (ligne).

Si la réponse est NON alors le programme continue dans l'ordre normal.

– D?(ligne) pose la question : "Y a-t-il un obstacle à droite ?".

Si la réponse est OUI alors le programme va exécuter la ligne (ligne).

Si la réponse est NON alors le programme continue dans l'ordre normal.

– G?(ligne) pose la question : "Y a-t-il un obstacle à gauche ?".

Si la réponse est OUI alors le programme va exécuter la ligne (ligne).

Si la réponse est NON alors le programme continue dans l'ordre normal.

– V(ligne) va exécuter la ligne (ligne).

– F indique à l'ordinateur que la frappe du programme est terminée et qu'il peut l'exécuter.

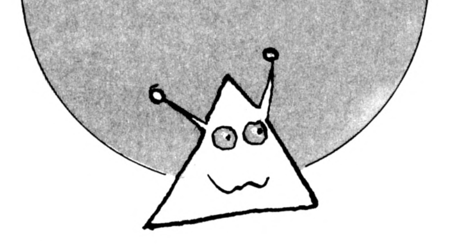
– F permet d'arrêter l'exécution du programme si celui-ci est faux.

Exemple de programme

Cet exemple s'applique au labyrinthe numéro 1.

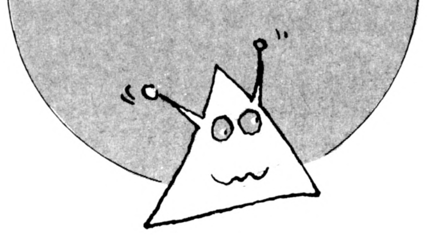
0 A 1 A?3 2 VO	}	avance jusqu'à la rencontre d'un obstacle.
3 G 4 VO	}	obstacle, alors tourne à gauche et revient en ligne 0.
5 F	}	fin du programme

```
10 REM ****************                 >PA
20 REM *                *               >AC
30 REM *      MUREIF    *               >LB
40 REM *                *               >AE
50 REM *       CREE     *               >PC
60 REM *                *               >AG
70 REM * PAR  R.HAVRET  *               >QD
80 REM *                *               >AJ
90 REM *   LE 04-03-90  *               >MN
100 REM *               *               >FF
110 REM ****************                >QB
120 MODE 1:INK 0,1:INK 1,24:INK 2,2 >JZ
0:INK 3,6
130 PRINT TAB(17);"MUREIF":PEN 3:PR >ZD
INT TAB(17);"------"
140 PEN 1:PRINT:PRINT "  (Manier U >QZ
n Robot Est-Il Facile ?)"
150 PRINT:PRINT " -MUREIF est un lo >EY
giciel qui met en       place la pr
ogrammation d'un petit       robot.
Il est symbolise a l'ecran  par   u
n triangle dont la pointe indique
    l'orientation."
160 PRINT:PRINT " -Le but est de fa >PE
ire sortir ce robot de  10 labyrint
hes. Et pour cela, il vous   faudra
 le programmer."
170 PRINT:PRINT " -La programmation >YU
 du robot se fait sur   10 lignes n
umerotees de 0 a 9."
180 GOSUB 650                       >HK
190 PRINT " -Les fonctions comprise >WF
s par le robot    sont les suivante
s:"
200 GOSUB 650                       >HC
210 PRINT "- ";:PEN 3:PRINT "A";:PE >QA
N 1:PRINT " -"
220 PRINT:PRINT "Fait avancer le ro >QH
bot d'une case dans ladirection ver
s laquelle il est tourne."
230 GOSUB 650                       >HF
240 PRINT "- ";:PEN 3:PRINT "D";:PE >QG
N 1:PRINT " -"
250 PRINT:PRINT "Fait tourner le ro >UC
bot de 90 degres vers la droite par
 rapport a son orientation preceden
te."
260 GOSUB 650                       >HJ
270 PRINT "- ";:PEN 3:PRINT "G";:PE >QN
N 1:PRINT " -"
280 PRINT:PRINT "Fait tourner le ro >UC
bot de 90 degres vers la gauche par
 rapport a son orientation preceden
te."
290 GOSUB 650                       >JB
300 PRINT "- ";:PEN 3:PRINT "A?(lig >CG
ne)";:PEN 1:PRINT " -"
310 PRINT:PRINT "Pose la question : >UL
 'Y a-t-il un obstaclejuste devant
?'"
320 PRINT:PRINT " -Si la reponse es >LA
t OUI alors le          programme v
a executer la ligne (ligne)"
330 PRINT:PRINT " -Si la reponse es >MB
t NON alors le          programme c
ontinue dans l'ordre normal"
340 GOSUB 650                       >HH
350 PRINT "- ";:PEN 3:PRINT "D?(lig >CQ
ne)";:PEN 1:PRINT " -"
360 PRINT:PRINT "Pose la question : >WG
 'Y a-t-il un obstaclejuste a droit
```



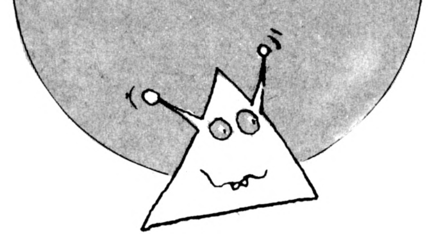
```
e ?'"
370 PRINT:PRINT " -Si la reponse es >LF
t OUI alors le           programme v
a executer la ligne (ligne)"
380 PRINT:PRINT " -Si la reponse es >MG
t NON alors le           programme c
ontinue dans l'ordre normal"
390 GOSUB 650                       >JC
400 PRINT "- ";:PEN 3:PRINT "G?(lig >CP
ne)";:PEN 1:PRINT " -"
410 PRINT:PRINT "Pose la question : >WZ
 'Y a-t-il un obstaclejuste a gauch
e ?'"
420 PRINT:PRINT " -Si la reponse es >LB
t OUI alors le           programme v
a executer la ligne (ligne)"
430 PRINT:PRINT " -Si la reponse es >MC
t NON alors le           programme c
ontinue dans l'ordre normal"
440 GOSUB 650                       >HJ
450 PRINT "- ";:PEN 3:PRINT "V(lign >BR
e)";:PEN 1:PRINT " -"
460 PRINT:PRINT "Va executer la lig >BC
ne (ligne)."
470 GOSUB 650                       >JB
480 PRINT "- ";:PEN 3:PRINT "F";:PE >QQ
N 1:PRINT " -"
490 PRINT:PRINT "Indique a l'ordina >RA
teur que la frappe du programme est
 terminee et qu'il peut    l'execut
er."
500 GOSUB 650                       >HF
510 PRINT "Lors de la saisie du pro >FP
gramme, vous    vous retrouvez dans
 un editeur. Vous    pouvez passer
d'une ligne a l'autre avecles touch
es HAUT et BAS (curseur). Vous pouv
ez aussi vous servir des touches
 DEL et ENTER qui ont la meme fonct
ion ";
520 PRINT "qu'en BASIC."            >VQ
530 PRINT:PRINT "Il faut valider ch >KE
aque fin de ligne,    soit par la t
ouche ENTER, soit par la   touche B
AS du curseur."
540 GOSUB 650                       >HK
550 PRINT "Il est possible qu'a la  >NW
suite d'une     erreur de votre par
t dans la           programmation
du robot, celui-ci se     trouve pr
is dans une boucle sans fin, ilfaut
 alors appuyer sur la touche F et
";
560 PRINT "vous pourrez corriger le >GA
 programme."
570 GOSUB 650                       >JC
580 PRINT "Pour le cas ou mes expli >DU
cations ne vous auraient pas paru t
res claire, voici la solution du pr
emier labyrinthe."
590 PRINT                           >PG
600 PRINT "0 A":PRINT "1 A?3":PRINT >DP
 "2 VO":PRINT "3 G":PRINT "4 VO":PR
INT "5 F"
610 PEN 3:PRINT:PRINT "TOUS LES LAB >XA
YRINTHES POSSIBLES ET      IMAGINA
BLES ONT UNE SOLUTION, ALORS RIENNE
 VOUS EMPECHE D'EN CREER D'AUTRES P
AR LA SUITE":PEN 1
620 GOSUB 650                       >HJ
630 RUN "MUREIF1.BAS"               >QE
640 END                             >TD
650 LOCATE 32,25:PRINT "<ENTER>":CA >BR
LL &BB06:CLS:RETURN
```

```
10 REM ********************         >TD
20 REM *                  *         >AE
30 REM *      MUREIF      *         >LK
40 REM *                  *         >AG
50 REM * CREE PAR R.HAVRET *        >VV
60 REM *                  *         >AJ
70 REM *    LE 07.02.90   *         >MD
80 REM *                  *         >BA
90 REM ********************         >TM
100 '                               >RB
110 ' **********************        >RC
120 ' * PROGRAMME PRINCIPAL *       >RD
130 ' **********************        >RE
140 GOSUB 210:' INITIALISATION      >PK
150 GOSUB 680:' AFFICHAGE LABY.     >RB
160 GOSUB 940:' SAISIE PROGRAMME    >RB
170 GOSUB 1110:' EXECUTION PROGRAMM >XF
E
180 GOTO 150                        >ZB
190 END                             >TD
200 REM ----------------------      >VU
210 REM --- INITIALISATION ---      >YT
220 REM ----------------------      >VW
230 GOSUB 2110                      >PA
240 MODE 1:INK 0,1:INK 1,24:INK 2,6 >LF
:INK 3,20:BORDER 1:PAPER 0:PEN 1
250 PRINT CHR$(150);STRING$(10,CHR$ >FX
(154));CHR$(156);CHR$(150);STRING$(
26,CHR$(154));CHR$(156);
260 PRINT CHR$(149);" MUREIF  ";CH >VJ
R$(149);CHR$(149);TAB(40);CHR$(149)
;
270 PRINT CHR$(151);STRING$(10,CHR$ >JA
(154));CHR$(157);CHR$(149);TAB(40);
CHR$(149);
280 FOR S=1 TO 12:PRINT CHR$(149);T >TU
AB(12);CHR$(149);CHR$(149);TAB(40);
CHR$(149);:NEXT S
290 PRINT CHR$(151);STRING$(10,CHR$ >JC
(154));CHR$(157);CHR$(149);TAB(40);
CHR$(149);
300 FOR S=1 TO 5:PRINT CHR$(149);TA >RC
B(12);CHR$(149);CHR$(149);TAB(40);C
HR$(149);:NEXT S
310 PRINT CHR$(149);TAB(12);CHR$(14 >JC
9);CHR$(147);STRING$(26,CHR$(154));
CHR$(153);
320 PRINT CHR$(149);TAB(12);CHR$(14 >JA
9);CHR$(150);STRING$(26,CHR$(154));
CHR$(156);
330 PRINT CHR$(149);TAB(12);CHR$(14 >NE
9);CHR$(149);TAB(40);CHR$(149);
340 PRINT CHR$(147);STRING$(10,CHR$ >FD
(154));CHR$(153);CHR$(147);STRING$(
26,CHR$(154));CHR$(153);
350 FOR S=0 TO 9:LOCATE 2,S+6:PRINT >DP
 MID$(STR$(S),2,1):NEXT
360 LOCATE 5,4:PRINT "PROG"         >WW
370 LOCATE 2,17:PRINT "A   AVANCE"  >BV
380 LOCATE 2,18:PRINT "D   DROITE"  >BC
390 LOCATE 2,19:PRINT "G   GAUCHE"  >BE
400 LOCATE 2,20:PRINT "A?  OBST.?"  >BF
410 LOCATE 2,21:PRINT "D?  OBST.?"  >BL
420 LOCATE 2,22:PRINT "G?  OBST.?"  >BR
430 LOCATE 2,23:PRINT "V   VA"      >XB
440 LOCATE 2,24:PRINT "F   FIN"     >YM
450 LOCATE 16,24:PRINT "CREE PAR RE >TB
NAUD HAVRET"
460 GOSUB 2060                      >PK
470 DIM LABY$(11),PROG$(10)         >VX
480 LABY=1                          >RD
490 LABY$(11)="1111111111111"       >VW
500 SYMBOL 240,240,240,248,248,124, >GW
28,6,0
510 SYMBOL 241,127,31,7,1,0,0,0,0   >ZW
520 SYMBOL 242,0,6,28,124,248,248,2 >GA
40,240
530 SYMBOL 243,0,0,0,0,1,7,31,127   >ZA
540 SYMBOL 244,240,224,224,192,192, >KF
128,128,0
550 SYMBOL 245,15,7,7,3,3,1,1,0     >XD
560 SYMBOL 246,0,2,14,60,252,248,24 >FN
8,240
570 SYMBOL 247,0,64,112,60,63,31,31 >DD
,15
580 SYMBOL 248,254,248,224,128,0,0, >DG
0,0
590 SYMBOL 249,15,15,31,31,62,56,96 >DB
,0
600 SYMBOL 250,0,0,0,0,128,224,248, >DR
254
```



```
610 SYMBOL 251,0,96,56,62,31,31,15, >CV
15
620 SYMBOL 252,240,248,248,252,60,1 >FG
4,2,0
630 SYMBOL 253,15,31,31,63,60,112,6 >DX
4,0
640 SYMBOL 254,0,128,128,192,192,22 >KH
4,224,240
650 SYMBOL 255,0,1,1,3,3,7,7,15     >XF
660 RETURN                          >ZH
670 REM ----------------------      >VF
680 REM --- AFFICHAGE LABY ---      >WX
690 REM ----------------------      >VH
700 IF LABY=1 THEN RESTORE 1930     >YN
710 IF LABY=2 THEN RESTORE 1940     >YR
720 IF LABY=3 THEN RESTORE 1950     >YV
730 IF LABY=4 THEN RESTORE 1960     >YY
740 IF LABY=5 THEN RESTORE 1970     >YB
750 IF LABY=6 THEN RESTORE 1980     >YE
760 IF LABY=7 THEN RESTORE 1990     >YH
770 IF LABY=8 THEN RESTORE 2000     >YR
780 IF LABY=9 THEN RESTORE 2010     >YV
790 IF LABY=10 THEN RESTORE 2020    >ZN
800 IF LABY=11 THEN CALL &BB06:MODE >HQ
 2:END
810 GOSUB 2110                      >PE
820 FOR S=1 TO 10:READ A:LABY$(S)=B >TX
IN$(A,13):NEXT
830 FOR YY=2 TO 20 STEP 2           >RX
840 FOR XX=14 TO 38 STEP 2          >TB
850 IF MID$(LABY$(YY/2),(XX-12)/2,1 >CQ
)="1" THEN LOCATE XX,YY:PRINT CHR$(
212);CHR$(213):LOCATE XX,YY+1:PRINT
 CHR$(215);CHR$(214) ELSE LOCATE XX
,YY:PRINT "  ":LOCATE XX,YY+1:PRINT
 "  "
860 NEXT XX                         >BG
870 NEXT YY                         >BK
880 X=36:Y=20                       >MH
890 PEN 2:LOCATE X,Y:PRINT CHR$(255 >AX
);CHR$(254):LOCATE X,Y+1:PRINT CHR$
(253);CHR$(252):PEN 1
900 ORI=0                           >HH
910 GOSUB 2060                      >PK
920 RETURN                          >ZG
930 REM ------------------------    >WM
940 REM --- SAISIE PROGRAMME ---    >ZT
950 REM ------------------------    >WP
960 WINDOW #1,4,11,6,16             >QP
970 CLS #1:LOCATE 4,16:PRINT STRING >LF
$(8,154)
980 FOR S=1 TO 10:PROG$(S)="":NEXT  >BJ
990 XP=1:YP=1                       >UE
1000 LOCATE #1,XP,YP:PRINT #1,"_"   >AK
1010 TOU$=UPPER$(INKEY$):IF TOU$="" >NJ
 THEN 1010
1020 IF TOU$=CHR$(240) AND YP>1 THE >VR
N LOCATE #1,XP,YP:PRINT #1," ":YP=Y
P-1:XP=LEN(PROG$(YP))+1:GOTO 1000
1030 IF TOU$=CHR$(241) AND YP<10 TH >WQ
EN LOCATE #1,XP,YP:PRINT #1," ":YP=
YP+1:XP=LEN(PROG$(YP))+1:GOTO 1000
1040 IF TOU$=CHR$(127) AND XP>1 THE >FX
N LOCATE #1,XP,YP:PRINT #1," ":XP=X
P-1:PRO$=PROG$(YP):PROG$(YP)="":PRO
G$(YP)=MID$(PRO$,1,LEN(PRO$)-1):GOT
O 1000
1050 IF TOU$=CHR$(13) AND PROG$(YP) >JL
="F" AND PROG$(1)<>"" THEN LOCATE #
1,XP,YP:PRINT #1," ":GOTO 1090
1060 IF TOU$=CHR$(13) AND YP<10 THE >VR
N LOCATE #1,XP,YP:PRINT #1," ":YP=Y
P+1:XP=LEN(PROG$(YP))+1:GOTO 1000
1070 IF TOU$>CHR$(47) AND TOU$<CHR$ >VW
(87) AND XP<8 THEN LOCATE #1,XP,YP:
PRINT #1,TOU$:XP=XP+1:PROG$(YP)=PRO
G$(YP)+TOU$
1080 GOTO 1000                      >LH
1090 RETURN                         >FD
1100 REM -------------------------- >ZX
-
1110 REM --- EXECUTION PROGRAMME -- >DE
-
1120 REM -------------------------- >ZZ
-
1130 LIG=1                          >MH
1140 IF X=16 AND Y=20 THEN LABY=LAB >CW
Y+1:CALL &BB06:GOTO 1260
1150 IF UPPER$(INKEY$)="F" THEN CLS >PQ
 #1:GOTO 1260
1160 IF PROG$(LIG)="A" THEN 1280    >YL
1170 IF PROG$(LIG)="D" THEN 1370    >YQ
1180 IF PROG$(LIG)="G" THEN 1460    >YV
1190 IF PROG$(LIG)="F" THEN 1830    >YW
1200 IF MID$(PROG$(LIG),1,1)="V" TH >HJ
EN 1790
1210 IF MID$(PROG$(LIG),1,2)="A?" T >JL
HEN 1550
1220 IF MID$(PROG$(LIG),1,2)="D?" T >JP
HEN 1630
1230 IF MID$(PROG$(LIG),1,2)="G?" T >JT
HEN 1710
1240 LIG=LIG+1                      >XC
1250 IF LIG=11 THEN CALL &BB06 ELSE >KX
 GOTO 1140
1260 RETURN                         >FC
1270 REM ------------------         >TE
1280 REM --- FONCTION A ---         >TL
1290 REM ------------------         >TG
1300 PEN 3:LOCATE X,Y:PRINT CHR$(13 >BJ
6);CHR$(132):LOCATE X,Y+1:PRINT CHR
$(130);CHR$(129):PEN 1
1310 IF ORI=0 AND MID$(LABY$((Y-2)/ >XN
2),(X-12)/2,1)="0" THEN Y=Y-2:GOSUB
 1860
1320 IF ORI=1 AND MID$(LABY$(Y/2),( >XK
(X+2)-12)/2,1)="0" THEN X=X+2:GOSUB
 1870
1330 IF ORI=2 AND MID$(LABY$((Y+2)/ >HH
2),(X-12)/2,1)="0" AND Y<20 THEN Y=
Y+2:GOSUB 1880
1340 IF ORI=3 AND MID$(LABY$(Y/2),( >XW
(X-2)-12)/2,1)="0" THEN X=X-2:GOSUB
 1890
1350 GOTO 1240                      >MD
1360 REM ------------------         >TE
1370 REM --- FONCTION D ---         >TP
1380 REM ------------------         >TG
1390 ORI=ORI+1:IF ORI=4 THEN ORI=0  >CT
1400 IF ORI=0 THEN GOSUB 1860       >WV
1410 IF ORI=1 THEN GOSUB 1870       >WY
1420 IF ORI=2 THEN GOSUB 1880       >WB
1430 IF ORI=3 THEN GOSUB 1890       >WE
1440 GOTO 1240                      >MD
1450 REM ------------------         >TE
1460 REM --- FONCTION G ---         >TT
1470 REM ------------------         >TG
1480 ORI=ORI-1:IF ORI=-1 THEN ORI=3 >DW

1490 IF ORI=0 THEN GOSUB 1860       >WE
1500 IF ORI=1 THEN GOSUB 1870       >WY
1510 IF ORI=2 THEN GOSUB 1880       >WB
1520 IF ORI=3 THEN GOSUB 1890       >WE
1530 GOTO 1240                      >MD
1540 REM -------------------        >TJ
1550 REM --- FONCTION A? ---        >UA
1560 REM -------------------        >TL
1570 IF ORI=0 AND MID$(LABY$((Y-2)/ >LN
2),(X-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1580 IF ORI=1 AND MID$(LABY$(Y/2),( >LN
(X+2)-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1590 IF ORI=2 AND MID$(LABY$((Y+2)/ >LQ
2),(X-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1600 IF ORI=3 AND MID$(LABY$(Y/2),( >LK
(X-2)-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1610 GOTO 1240                      >MC
1620 REM -------------------        >TH
1630 REM --- FONCTION D? ---        >UC
1640 REM -------------------        >TK
1650 IF ORI=0 AND MID$(LABY$(Y/2),( >LK
(X+2)-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1660 IF ORI=1 AND MID$(LABY$((Y+2)/ >LM
2),(X-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1670 IF ORI=2 AND MID$(LABY$(Y/2),( >LR
(X-2)-12)/2,1)="1" THEN LIG=VAL(MID
```



```
$(PROG$(LIG),3,1))+1:GOTO 1140
1680 IF ORI=3 AND MID$(LABY$((Y-2)/ >LU
2),(X-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1690 GOTO 1240                      >NA
1700 REM -------------------        >TG
1710 REM --- FONCTION G? ---        >UE
1720 REM -------------------        >TJ
1730 IF ORI=0 AND MID$(LABY$(Y/2),( >LL
(X-2)-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1740 IF ORI=1 AND MID$(LABY$((Y-2)/ >LN
2),(X-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1750 IF ORI=2 AND MID$(LABY$(Y/2),( >LN
(X+2)-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1760 IF ORI=3 AND MID$(LABY$((Y+2)/ >LQ
2),(X-12)/2,1)="1" THEN LIG=VAL(MID
$(PROG$(LIG),3,1))+1:GOTO 1140
1770 GOTO 1240                      >MK
1780 REM ------------------         >TL
1790 REM --- FONCTION V ---         >UG
1800 REM ------------------         >TD
1810 LIG=VAL(MID$(PROG$(LIG),2,1))+ >PM
1:GOTO 1140
1820 REM ------------------         >TF
1830 REM --- FONCTION F ---         >TT
1840 REM ------------------         >TH
1850 CALL &BB06:GOTO 1260           >TA
1860 PEN 2:LOCATE X,Y:PRINT CHR$(25 >PR
5);CHR$(254):LOCATE X,Y+1:PRINT CHR
$(253);CHR$(252):PEN 1:RETURN
1870 PEN 2:LOCATE X,Y:PRINT CHR$(25 >PV
1);CHR$(250):LOCATE X,Y+1:PRINT CHR
$(249);CHR$(248):PEN 1:RETURN
1880 PEN 2:LOCATE X,Y:PRINT CHR$(24 >PY
7);CHR$(246):LOCATE X,Y+1:PRINT CHR
$(245);CHR$(244):PEN 1:RETURN
1890 PEN 2:LOCATE X,Y:PRINT CHR$(24 >PG
3);CHR$(242):LOCATE X,Y+1:PRINT CHR
$(241);CHR$(240):PEN 1:RETURN
1900 REM -------------------------- >ZT

1910 REM --- LABYRINTHES 1 A 10 --- >ZT

1920 REM -------------------------- >ZV

1930 DATA 8191,4097,4097,4097,4097, >BD
4097,4097,4097,4097,6141
1940 DATA 8191,4609,4609,4621,4101, >BD
4613,4613,4613,4613,6141
1950 DATA 8191,4369,5461,5461,5461, >BK
5461,5461,5461,5189,6141
1960 DATA 8191,4841,4161,6211,4889, >BM
5285,4257,4257,4257,6141
1970 DATA 8191,4681,4161,6211,4889, >BQ
5285,4257,4257,4257,6141
1980 DATA 8191,5285,4257,4097,7759, >BX
4161,6483,4433,5461,6141
1990 DATA 8191,5461,4437,5205,5397, >BP
5445,5457,5461,5461,6141
2000 DATA 8191,4161,4433,7163,4433, >AH
4161,6419,5285,4161,6141
2010 DATA 8191,4161,4433,7511,4433, >BE
5709,4433,7447,4433,6141
2020 DATA 8191,4227,5413,5193,5265, >BJ
5413,5705,5267,5153,6141
2030 REM -------------------------- >YJ
2040 REM --- ROUTINES DIVERSES ---  >BM
2050 REM -------------------------- >YL
2060 FOR sss=1 TO 40                >NT
2070 OUT &BC00,1:OUT &BD00,sss      >YG
2080 FOR ssss=1 TO 10:NEXT ssss     >ZV
2090 NEXT sss                       >RH
2100 RETURN                         >EG
2110 FOR sss=40 TO 0 STEP -1        >UZ
2120 OUT &BC00,1:OUT &BD00,sss      >YC
2130 FOR ssss=1 TO 10:NEXT ssss     >ZQ
2140 NEXT sss                       >RD
2150 RETURN                         >EB
```

DARK DUNGEONS II

Frédéric BARNABE

Valable pour CPC 464 – 6128

Arthur le fantôme, a de nouveaux problèmes avec les lumières de son château... Mais cette fois-ci, c'est le ras-le-bol... Arthur a décidé de partir en vacances à Hawaï. Mais encore faut-il sortir de cet affreux manoir...

Horreur !!! Les clefs ont disparu... Arthur doit faire appel à la magie de ses ancêtres en alignant trois sphères magiques. Ainsi apparaîtront les clefs qui ouvriront les portes des 15 salles du château...

Ramassez les torches et utilisez-les à bon escient, elles n'éclaireront qu'un moment...

Bonnes vacances Arthur !!!!

Commandes :

Vous pouvez diriger Arthur, soit au joystick, soit au clavier (touches fléchées + espace pour les torches).

NB : Si vous ne pouvez plus aligner les boules, appuyez sur Q...

Si vous désirez créer vos propres tableaux, modifiez les datas à partir de la ligne 2170 sachant que :

1 ... Sphère
2 ... Torche
3 ... Mur
4 ... Emplacement de la clef
5 ... Porte
6 ... Emplacement d'Arthur

Attention ! Il ne doit y avoir qu'un seul 6 et un seul 4.



Solutions :

Pour être invincible, supprimez la ligne 920. Si vous voulez commencer au tableau de votre choix, remplacez le Restore 2170 en ligne 120 par respectivement 2170, 2280, 2390, 2500, 2610, 2720, 2830, 2940, 3050, 3160, 3270, 3380, 3490, 3600 ou 3710 et incrémentez la variable TABL...

```
10 '                                  >LA
20 ' DARK DUNGEONS II                 >LB
30 '                                  >LC
40 MODE 0:BORDER 0:FOR i=0 TO 13:RE >WW
AD a:INK i,a:NEXT:INK 15,0,6:INK 14
,6,0
50 DATA 0,26,1,2,4,14,23,15,16,7,6, >FD
3,3,13
60 MEMORY 24999:l=100:FOR i=0 TO 11 >YA
6:FOR j=0 TO 7:READ a$
70 s=s+VAL("&"+a$):POKE 25064+c,VAL >RE
("&"+a$):c=c+1
80 NEXT:READ A$:IF VAL("&"+A$)<>S T >RW
HEN PRINT "ERREUR EN LIGNE"L:END
90 S=0:L=L+10:NEXT                  >NH
100 DATA 00,C0,80,00,00,40,C0,00,24 >BA
0
110 DATA 00,40,C0,00,00,40,80,80,24 >AC
0
120 DATA 00,40,C0,80,00,C0,C0,80,38 >BM
0
130 DATA 40,C0,C0,80,40,80,C0,00,3C >BE
0
140 DATA 40,80,C0,40,40,C0,40,40,34 >BY
0
150 DATA 00,C0,80,80,40,40,80,80,34 >BR
0
160 DATA 40,80,40,E2,D1,D1,C0,D1,51 >BP
5
170 DATA E2,E2,D1,C0,40,40,C0,E2,57 >CG
7
180 DATA 00,C0,80,00,00,40,C0,00,24 >BJ
0
190 DATA 00,C0,C0,80,00,C0,C0,80,40 >BD
0
200 DATA 00,C0,C0,80,00,C0,C0,80,40 >BV
0
210 DATA 40,E2,C0,E2,40,E2,C0,E2,58 >CF
8
220 DATA 40,D1,D1,C0,00,E2,C0,E2,52 >BY
6
230 DATA 00,C0,C0,80,51,C0,C0,80,45 >BL
1
240 DATA E2,D1,C0,80,E2,E2,C0,C0,63 >CX
7
250 DATA C0,E2,E2,C0,51,C0,D1,80,5A >CT
6
260 DATA 00,00,C0,80,00,40,C0,00,24 >BH
0
270 DATA 00,C0,C0,80,00,C0,C0,80,40 >BC
0
280 DATA 00,C0,C0,80,00,C0,C0,80,40 >BD
0
290 DATA 40,E2,C0,E2,40,E2,C0,E2,58 >CP
8
300 DATA 40,D1,D1,C0,40,E2,C0,A2,52 >BX
6
310 DATA 00,C0,C0,A2,00,C0,C0,D1,47 >BJ
3
320 DATA 40,C0,D1,C0,C0,C0,C0,E2,5B >CU
3
330 DATA C0,C0,E2,D1,40,C0,E2,80,59 >CE
5
340 DATA 00,00,C0,80,00,40,C0,00,24 >BG
0
350 DATA 00,C0,C0,80,00,80,80,80,38 >BK
0
360 DATA 00,C0,C0,80,00,C0,C0,80,40 >BC
0
370 DATA 40,40,40,40,40,40,C0,E2,32 >BD
2
380 DATA 40,80,D1,C0,00,00,D1,A2,3C >BD
4
390 DATA 00,C0,C0,A2,00,C0,C0,D1,47 >BT
3
400 DATA 40,C0,D1,C0,C0,C0,C0,E2,5B >CT
3
410 DATA C0,C0,E2,D1,40,C0,E2,80,59 >CD
5
420 DATA 00,C0,80,00,00,40,C0,00,24 >BF
0
430 DATA 00,C0,C0,80,00,80,80,80,38 >BJ
0
440 DATA 00,C0,C0,80,00,C0,C0,80,40 >BB
0
450 DATA 40,40,40,40,40,E2,C0,40,32 >BC
2
460 DATA 40,D1,80,C0,00,F3,80,00,3C >BV
4
470 DATA 00,C0,C0,80,51,C0,C0,80,45 >BT
1
```



```
480 DATA E2,D1,C0,80,E2,E2,C0,C0,63 >CD
7
490 DATA C0,E2,E2,C0,51,C0,D1,80,5A >CZ
6
500 DATA 00,40,C0,00,00,C0,80,00,24 >BE
0
510 DATA 00,C0,80,00,40,40,80,00,24 >AG
0
520 DATA 40,C0,80,00,40,C0,80,00,30 >BR
0
530 DATA 40,C0,80,00,00,C0,C0,00,30 >BA
0
540 DATA 80,40,80,80,C0,C0,80,80,44 >BW
0
550 DATA 40,C0,00,00,00,00,C0,A2,26 >BB
2
560 DATA 00,C0,E2,D1,80,D1,D1,D1,56 >CF
6
570 DATA C0,D1,D1,C0,40,80,C0,A2,54 >BG
4
580 DATA 00,C0,80,00,00,40,C0,00,24 >BN
0
590 DATA 00,40,C0,00,00,40,80,80,24 >BG
0
600 DATA 00,40,C0,80,00,40,C0,80,30 >BQ
0
610 DATA 00,40,C0,80,00,C0,C0,00,30 >BZ
0
620 DATA 40,40,80,40,40,40,C0,C0,34 >BB
0
630 DATA 00,00,C0,80,51,C0,00,00,25 >BN
1
640 DATA E2,D1,C0,00,E2,E2,E2,40,55 >CJ
9
650 DATA C0,E2,E2,C0,51,C0,40,80,51 >BU
5
660 DATA 00,40,C0,00,00,C0,80,00,24 >BM
0
670 DATA 00,C0,80,00,40,40,80,00,24 >BF
0
680 DATA 40,C0,80,00,40,C0,C0,00,34 >BQ
0
690 DATA 40,C0,C0,80,00,C0,40,80,3C >BR
0
700 DATA 80,C0,40,80,80,80,C0,80,44 >BU
0
710 DATA 40,40,C0,00,40,40,80,80,2C >BA
0
720 DATA D1,80,40,80,E2,C0,E2,E2,57 >CA
7
730 DATA C0,E2,D1,D1,D1,C0,80,80,5D >CA
5
740 DATA DD,5E,00,DD,56,01,DD,6E,3B >CJ
A
750 DATA 02,DD,66,03,06,10,CD,19,24 >BK
4
760 DATA BD,F3,C5,E5,06,04,1A,77,3F >CV
5
770 DATA 13,23,10,FA,E1,CD,10,64,36 >BX
2
780 DATA C1,10,EF,FB,C9,00,00,00,38 >CF
4
790 DATA 7C,C6,08,67,D0,D5,11,50,3B >CM
7
800 DATA C0,19,D1,C9,00,00,00,00,27 >BV
3
810 DATA 00,00,00,00,00,00,00,00,00 >AG
0
820 DATA 00,00,00,00,00,0C,0C,00,01 >BA
8
830 DATA 04,00,00,20,04,00,0C,88,0B >BP
C
840 DATA 08,04,0C,64,08,04,18,64,10 >BK
4
850 DATA 20,0C,18,64,98,0C,30,CC,24 >BV
8
860 DATA 98,30,60,D8,CC,30,60,D8,43 >BF
4
870 DATA E4,CC,D0,D0,44,CC,C8,A0,5C >CQ
8
880 DATA 50,CC,C8,A0,00,F0,F0,00,46 >CE
4
890 DATA 00,00,00,00,00,00,00,00,00 >AQ
0
900 DATA 00,00,AA,55,00,00,15,FF,21 >BG
3
910 DATA 00,00,15,7F,00,00,7F,BD,1D >BH
0
920 DATA 00,00,54,7F,00,00,55,BD,1E >BY
5
930 DATA 00,00,37,15,00,11,33,00,09 >AW
0
940 DATA 00,11,22,00,00,33,00,00,06 >AM
6
950 DATA 00,33,00,00,11,22,00,00,06 >AN
6
960 DATA 11,22,00,00,33,00,00,00,06 >AP
6
970 DATA 22,00,00,00,00,00,00,00,02 >AY
2
980 DATA C3,4F,C3,4F,87,4F,87,4F,3D >CR
0
990 DATA 0F,4F,0F,4F,CF,CF,CF,CF,3F >DJ
8
1000 DATA 4F,C3,4F,C3,4F,87,4F,87,3 >DF
D0
1010 DATA 4F,0F,4F,0F,CF,CF,CF,CF,3 >EY
F8
1020 DATA C3,4F,C3,4F,87,4F,87,4F,3 >DH
D0
1030 DATA 0F,4F,0F,4F,CF,CF,CF,CF,3 >EA
F8
1040 DATA 4F,C3,4F,C3,4F,87,4F,87,3 >DK
D0
1050 DATA 4F,0F,4F,0F,CF,CF,CF,CF,3 >EC
F8
1060 DATA 00,00,00,00,00,00,00,79,0 >BW
79
1070 DATA 00,00,14,51,00,00,14,51,0 >BA
CA
1080 DATA 00,00,14,51,00,00,79,51,1 >BB
2F
1090 DATA 00,14,F3,A2,00,79,00,00,2 >CH
22
1100 DATA 14,A2,00,00,79,F3,00,00,2 >BH
22
1110 DATA F3,51,00,00,F3,00,00,00,2 >BF
37
1120 DATA 51,A2,00,00,00,00,00,00,0 >BM
F3
1130 DATA 00,00,00,00,00,00,00,00,0 >BJ
00
1140 DATA 14,3C,B6,A2,3C,F3,F3,F3,4 >DV
BD
1150 DATA 79,33,33,F3,39,33,33,73,2 >CB
E4
1160 DATA 39,33,33,73,39,33,33,73,2 >CL
24
1170 DATA 39,33,33,73,39,33,33,73,2 >CM
24
1180 DATA B3,33,36,73,39,33,79,F3,3 >CM
67
1190 DATA B3,33,B3,F3,39,33,73,73,3 >CA
DE
1200 DATA B3,33,33,73,B3,33,33,73,3 >CE
18
1210 DATA B3,33,33,73,B3,33,33,73,3 >CF
18
1220 DATA 01,00,40,11,5C,66,21,00,1 >BU
35
1230 DATA C0,ED,B0,C9,01,00,40,11,3 >CU
78
1240 DATA 00,C0,21,5C,66,ED,B0,C9,4 >CZ
09
1250 DATA 00,1A,01,02,04,0E,17,0F,0 >CX
55
1260 DATA 10,17,0A,03,03,03,0D,00,0 >CB
47
1270 '                              >YC
1280 ' Presentation                 >YD
1290 '                              >YE
1300 adresse=49737:ligne=9:taille=2 >TJ
7:GOSUB 1330
1310 adresse=49342:ligne=1:taille=2 >TK
0:GOSUB 1330
1320 CALL 25960:RUN"dd2             >RA
1330 FOR I=0 TO ligne:H=0           >TX
1340 FOR I=0 TO 7:FOR J=0 TO taille >BW

1350 IF H=0 THEN 1390               >NZ
1360 H=H-1                          >KB
```



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1370 POKE adresse+I*2048+J+L*80,A   >BD
1380 NEXT:NEXT:NEXT:RETURN          >YR
1390 '                              >YF
1400 READ A$:IF LEN(A$)>2 THEN A=VA >ZJ
L("&"+RIGHT$(A$,2)):H=VAL("&"+LEFT$
(A$,LEN(A$)-2)) ELSE H=1:A=VAL("&"+
A$)
1410 GOTO 1360                      >MD
1420 '                              >XK
1430 ' Data presentation            >YA
1440 '                              >YB
1450 DATA 9500,45,1B00,45,1F,15,3F, >TY
1800,45,F,3F,1000
1460 DATA 900,45,5F,FF,1900,45,200, >CT
AA,1800,45,1B00,45,1700,40,80,F0,A0
,F0,A0,44
1470 DATA CC,10,30,20,1100,40,80,F0 >UY
,A0,F0,A0,44,CC,10,30,20,1100,40,80
,F0
1480 DATA A0,F0,A0,2CC,10,30,20,110 >HE
0,40,C0,3F0,E4,2CC,230,20,C00
1490 DATA E00,10,1300,C0,E0,2F0,2CC >EE
,200,20,1300,2C0,D0,E4,CC,288,0,20,
1300,C0,F0
1500 DATA E0,F0,D8,CC,44,0,20,1300, >YW
2C0,2F0,E4,CC,88,0,20,1300,C0,2E0,E
4,2CC
1510 DATA 44,0,20,1300,C0,2D0,F0,E4 >AK
,CC,200,20,1300,2C0,F0,E4,F0,CC,200
,20,D00
1520 DATA 600,C0,F0,E0,F0,2CC,88,0, >TN
20,200,45,0,3F,2A,400,55,0,2A,600,2
C0
1530 DATA 2F0,2CC,44,0,20,200,45,1F >VN
,2A,600,15,AA,600,C0,F0,D0,F0,E4,CC
,88
1540 DATA 0,20,200,45,F,AA,600,3F,A >RX
A,600,C0,D0,2F0,2CC,88,0,20,200,45,
A
1550 DATA 55,AA,500,5,AA,600,2C0,E0 >RR
,F0,D8,CC,88,0,20,200,45,800,F,A,60
0
1560 DATA C0,2F0,2E4,CC,44,0,20,200 >WH
,45,800,20F,600,C0,D0,E0,F0,2CC,88,
0,60
1570 DATA 80,F0,44,88,CC,10,20,400, >UF
5E,AD,600,2C0,2F0,E4,CC,88,0,60,80,
F0
1580 DATA 50,88,CC,10,20,200,C0,5,F >DE
C,F
1590 DATA 600,C0,2D0,F0,CC,E4,CC,0, >PY
60,D0,2F0,2CC,30,20,0,C0,80,5,5E,F
1600 DATA 600,C0,D0,3F0,CC,88,0,20, >UG
500,10,20,2C0,80,0,4F,8A,600,C0,2D0
,F0
1610 DATA D8,CC,44,0,20,2D0,F0,288, >UX
10,0,2C0,80,0,CF,8A,600,2C0,2F0,E4,
CC
1620 DATA 88,0,20,C0,2F0,E4,88,10,4 >QT
0,2C0,80,0,CF,8A,600,C0,D0,E0,F0,CC
1630 DATA E4,CC,0,20,C0,D0,F0,D8,CC >NH
,10,240,80,C0,0,E2,80,600,40,0,A0
1640 DATA 50,D8,CC,88,0,20,C0,F0,E4 >NZ
,D8,CC,10,A0,40,0,C0,40,D1,80,300
1650 DATA 40,80,F0,E0,F0,44,88,30,2 >QT
0,200,20,C0,E0,2F0,88,10,80,4A,A,C0
1660 DATA 51,F3,80,300,40,80,F0,E0, >MB
F0,44,88,30,20,CC,0,20,C0,F0,0,CC
1670 DATA 0,10,80,C0,40,C0,40,C0,80 >AH
1680 DATA 300,40,80,F0,E0,F0,44,88, >MP
30,20,88,0,20,C0,0,C0,0,C0,10,4C0
1690 DATA 0,C5,80,300,40,C0,3F0,CC, >PH
98,30,20,CC,0,20,80,C0,E2,80,C0,10
1700 DATA C0,240,C0,0,C5,8A,A00,10, >NE
64,CC,0,20,40,2D1,E2,C4,10,C0,0,40
1710 DATA C0,0,C5,8A,400,C0,3F0,88, >LG
0,10,4,4C,8,C,80,C0,2E2,80,10,E0
1720 DATA 85,2C0,0,C5,8A,0,8A,200,2 >NJ
C0,D0,F0,88,0,4,CC,F0,E6,8C,D0,40
1730 DATA 2E2,C4,10,E0,2C0,80,0,C5, >ME
8A,0,45,0,45,C0,D0,F0,E4,CC,0,24
1740 DATA 4C,F0,A2,8C,C0,A0,3C0,51, >QX
3C0,80,40,C5,0,445,C0,E0,F0,E4,88,0
1750 DATA 24,9C,F0,B6,8C,C0,D0,0,40 >RU
,5C0,D1,C0,C5,0,45,200,CF,2C0,D0,E4
1760 DATA CC,0,64,2D,F0,A7,6C,C0,D0 >RD
,F0,40,7C0,C5,0
1770 DATA 0,CF,0,45,2C0,F0,E4,CC,0, >RA
64,4F,DA,CF,8A,C0,2F0,88,7C0,C5,200
1780 DATA 8A,0,8A,C0,3F0,88,0,64,CF >RC
,8A,CF,4E,C0,D0,F0,88,40,6C0,C5,200
1790 DATA 245,8A,C0,2D0,E4,CC,0,44, >RU
4F,0,45,CE,C0,D0,2E4,40,6C0,45,0,8A
1800 DATA 45,CF,0,2C0,F0,E4,88,0,20 >QW
,CF,0,45,4E,C0,F0,2E4,88,6C0,200,45
1810 DATA 2CF,0,C0,2F0,E4,CC,0,64,4 >VE
F,8A,CF,CE,C0,D0,F0,2CC,6C0,200,45,
8A
1820 DATA 2CF,2C0,2F0,44,0,20,CF,8A >VX
,CF,A,C0,2F0,E4,88,5C0,80,200,CF,0,
CF
1830 DATA 8A,C0,E0,2F0,88,0,20,3C,C >UB
F,3C,8A,2C0,F0,CC,88,40,4C0,80,400,
CF
1840 DATA 0,C0,D0,F0,E4,88,0,34,6C, >RK
D8,F0,2C,C0,2F0,E4,CC,40,4C0,80,200
1850 DATA 200,CF,0,C0,2F0,E4,CC,0,3 >PG
4,A0,0,50,2C,C0,D0,F0,D8,88,40,4C0
1860 DATA 500,CF,0,2C0,2F0,88,0,70, >XR
CC,2F0,A4,C0,D0,F0,2CC,51,3C0,D1,50
0,CF
1870 DATA 51,C0,2F0,E4,CC,0,34,200, >VX
44,2C,C0,2F0,E4,88,40,3C0,D1,500,CF
,DB
1880 DATA C0,2D0,E4,CC,0,70,CC,D8,F >QA
0,A0,0,50,F0,CC,0,51,3C0,D1,A2,400
1890 DATA DB,F3,0,2F0,2CC,0,50,300, >XZ
A0,500,40,4C0,51,500,51,600,50,CC,2
D8,A0
1900 DATA A2,400,40,3C0,D1,0,A2,500 >YV
,51,B00,A2,300,E2,3C0,D1,200,A2,200
,51,A2
1910 DATA 51,0,A2,400,54,200,F3,2A2 >UE
,300,E2,4C0,200,A2
1920 DATA 200,A2,F3,A2,251,400,3FC, >XX
51,500,5C0,A2,51,400,A2,0,A2,500,FC
,54,0
1930 DATA A8,2A2,300,E2,4C0,A2,0,A2 >RU
,200,2A2,0,F3,A2,300,51,0,FC,A8,F9,
0
1940 DATA A2,300,5C0,A2,0,A2,0,351, >NZ
0,A2,0,A2,300,A2,0,FC,A8,51,A2,300
1950 DATA 2E2,3C0,A2,300,51,0,51,20 >PG
0,A2,51,200,F3,0,54,A8,FC,51,0,A2,0
1960 DATA 51,C0,E2,3C0,A2,600,F3,0, >QM
51,300,A2,200,FC,A8,F9,0,A2,0,51,D1
1970 DATA C0,D1,C0,E2,D1,A2,A00,F3, >TN
400,FC,F9,51,0,251,D1,C0,D1,C0,D1,C
0
1980 DATA A2,900,A2,51,F3,A2,0,254, >HM
0,51,200,E2,3D1,C0,D1,C0,80,0
1990 DATA E00,254,300,51,E2,D1,C0,E >ZV
2,D1,F3,A2,1500,F3,E2,C0,E2,F3,A2,1
600,51
2000 DATA 3F3,A2,8F00               >NX
2010 '                              >XF
2020 ' data 2                       >XG
2030 '                              >XH
2040 DATA C0,80,0,40,C0,40,C0,240,9 >RJ
00,C0,80,0,D1,C0,0,40,5E2,A2,800,2C
0
2050 DATA 0,D1,E2,80,40,2E2,C0,E2,D >QB
1,A2,800,D1,E2,A2,D1,51,80,40,C0,E2
2060 DATA D1,2E2,900,51,40,A2,D1,0, >RF
D1,40,3E2,40,E2,A2,900,40,A2,D1,0,D
1
2070 DATA 0,6A2,900,40,A2,D1,0,D1,1 >RH
000,C0,A2,D1,0,D1,540,C0,40,C0,40,C
```



```
0
2080 DATA 340,C0,0,40,D1,0            >TW
2090 DATA D1,0,D1,40,2E2,C0,E2,F3,E >PX
2,F3,3E2,C0,E2,F3,A2,40,D1,0,D1,40
2100 DATA D1,40,2E2,C0,2E2,40,80,40 >UJ
,2E2,C0,E2,C0,0,C0,A2,0,D1,C0,F3,40

2110 DATA 2E2,C0,3E2,F3,40,2E2,C0,A >VV
2,E2,A2,2C0,0,C0,D1,A2,40,C0,3E2,C0
,E2
2120 DATA C0,40,C0,3E2,C0,A2,2C0,A2 >XY
,51,F3,200,F3,3A2,F3,A2,F3,A2,F3,3A
2,F3
2130 DATA A2,51,F3,A2,3F00            >TT

10 '*********************            >LA
20 '**                  **            >LB
30 '** DARK DUNGEONS II **            >LC
40 '**                  **            >LD
50 '**    By F.Barnabe  **            >LE
60 '**                  **            >LF
70 '*********************            >LG
80 '                                  >LH
90 ' Initialisation                   >LJ
100 '                                 >RB
110 POKE 25997,13                     >LF
120 MODE 0:GOSUB 1590:tabl=1:RESTOR >JG
E 2170
130 DIM sprite(14),ta(21,12)          >WG
140 DEF FNad(x,y)=49152+y*80+x*2      >ZK
150 FOR i=0 TO 14:sprite(i)=25000+i >LX
*64:NEXT
160 vitesse=80:tabl=tabl-1:vie=3:GO >PM
SUB 1890
170 '                                 >RJ
180 ' Animation                       >RK
190 '                                 >TA
200 IF ok=2 THEN GOSUB 1890           >UX
210 FOR i=1 TO vitesse:NEXT           >WV
220 IF cl=0 THEN j=JOY(0) ELSE GOSU >GU
B 1460
230 IF INKEY(67)=0 THEN 970           >UT
240 IF j=16 THEN 1090                 >NE
250 ON j GOTO 270,380,220,600,220,2 >KM
20,220,490
260 GOTO 220                          >YJ
270 IF ja<>j THEN GOSUB 710:CALL 25 >AD
576,FNad(x1,y1),sprite(2):ja=j:GOTO
 210
280 x2=x1:y2=y1-2:GOSUB 750:IF ok>0 >LB
 THEN 200
290 CALL 25576,FNad(x1,y1),sprite(0 >ED
)
300 y1=y1-1                           >VA
310 CALL 25576,FNad(x1,y1),sprite(3 >EZ
)
320 FOR i=1 TO vitesse:NEXT           >WX
330 CALL 25576,FNad(x1,y1),sprite(0 >EY
)
340 y1=y1-1                           >VE
350 CALL 25576,FNad(x1,y1),sprite(2 >EC
)
360 FOR i=1 TO vitesse:NEXT           >WB
370 ja=j:GOTO 220                     >LP
380 IF ja<>j THEN GOSUB 710:CALL 25 >AH
576,FNad(x1,y1),sprite(4):ja=j:GOTO
 210
390 x2=x1:y2=y1+2:GOSUB 750:IF ok>0 >LB
 THEN 200
400 CALL 25576,FNad(x1,y1),sprite(0 >EW
)
410 y1=y1+1                           >VA
420 CALL 25576,FNad(x1,y1),sprite(5 >ED
)
430 FOR i=1 TO vitesse:NEXT           >WZ
440 CALL 25576,FNad(x1,y1),sprite(0 >EA
)
450 y1=y1+1                           >VE
460 CALL 25576,FNad(x1,y1),sprite(4 >EG
)
470 FOR i=1 TO vitesse:NEXT           >WD
480 ja=j:GOTO 220                     >LR
490 IF ja<>j THEN GOSUB 710:CALL 25 >AN
576,FNad(x1,y1),sprite(7):ja=j:GOTO
 210
500 x2=x1+2:y2=y1:GOSUB 750:IF ok>0 >LU
 THEN 200
510 CALL 25576,FNad(x1,y1),sprite(0 >EY
)
520 x1=x1+1                           >VA
530 CALL 25576,FNad(x1,y1),sprite(1 >EB
)
540 FOR i=1 TO vitesse:NEXT           >WB
550 CALL 25576,FNad(x1,y1),sprite(0 >EC
)
560 x1=x1+1                           >VE
570 CALL 25576,FNad(x1,y1),sprite(7 >EM
)
580 FOR i=1 TO vitesse:NEXT           >WF
590 ja=j:GOTO 220                     >LU
600 IF ja<>j THEN GOSUB 710:CALL 25 >AE
576,FNad(x1,y1),sprite(6):ja=j:GOTO
 210
610 x2=x1-2:y2=y1:GOSUB 750:IF ok>0 >LY
 THEN 200
620 CALL 25576,FNad(x1,y1),sprite(0 >EA
)
630 x1=x1-1                           >VE
640 CALL 25576,FNad(x1,y1),sprite(8 >EL
)
650 FOR i=1 TO vitesse:NEXT           >WD
660 CALL 25576,FNad(x1,y1),sprite(0 >EE
)
670 x1=x1-1                           >VJ
680 CALL 25576,FNad(x1,y1),sprite(6 >EN
)
690 FOR i=1 TO vitesse:NEXT           >WH
700 ja=j:GOTO 220                     >LL
710 IF j=1 AND ja=2 THEN CALL 25576 >WD
,FNad(x1,y1),sprite(7):FOR i=1 TO v
itesse:NEXT:RETURN
720 IF j=2 AND ja=1 THEN CALL 25576 >WD
,FNad(x1,y1),sprite(6):FOR i=1 TO v
itesse:NEXT:RETURN
730 IF j+ja=12 THEN CALL 25576,FNad >PZ
(x1,y1),sprite(4):FOR i=1 TO vitess
e:NEXT:RETURN
740 RETURN                            >ZG
750 '                                 >TC
760 ' collision                       >TD
770 '                                 >TE
780 ok=0:a=(x2+1)/2+1:b=(y2-1)/2+1  >AT
790 ON ta(a,b) GOTO 1260,810,890,83 >FM
0,840
800 RETURN                            >ZD
810 IF torche<3 THEN ta(a,b)=0:torc >TV
he=torche+1:CALL 25576,FNad(torche*
2+5,0),sprite(11):SOUND 7,0,1,15,,,
2 ELSE ok=1
820 RETURN                            >ZF
830 clef=1:CALL 25576,FNad(14,0),sp >HQ
rite(13):ta(a,b)=0:SOUND 7,0,1,15,,
,4:RETURN
840 IF clef=1 THEN ok=2:clef=0:i=RE >WJ
MAIN(0) ELSE ok=1
850 RETURN                            >ZJ
860 '                                 >TE
870 ' Mort                            >TF
880 '                                 >TG
890 I=REMAIN(0):SPEED INK 1,1         >XA
900 INK 9,7,0:INK 10,6,0:INK 11,3,0 >AR

910 IF vie=0 THEN 960                 >NT
920 CALL 25576,FNad(vie*2-2,0),2500 >PZ
0:vie=vie-1
930 FOR i=1 TO 1000:NEXT              >RV
940 INK 9,0:INK 10,0:INK 11,0:SPEED >KH
 INK 10,10
950 ok=1:RETURN                       >LH
960 FOR i=1 TO 1000:NEXT              >RY
970 MODE 1:SPEED INK 10,10            >TB
980 INK 2,10:INK 3,26                 >NU
990 TAG#1:A$="GAME OVER":x=240:y=22 >RA
0:GOSUB 1730
1000 FOR I=1 TO 2500:NEXT             >TF
1010 MODE 0:RUN                       >CD
1020 MODE 1:INK 1,26:INK 2,10:INK 3 >KR
,26:TAG#1
```



```
1030 A$="BRAVO ARTHUR... ":x=220:y= >UH
220:GOSUB 1730
1040 FOR I=1 TO 3000:NEXT:MODE 0:RU >DU
N
1050 MODE 1:INK 1,26:INK 2,10:INK 3 >KV
,26:TAG#1
1060 A$="TABLEAU :"+STR$(tabl):x=24 >YV
0:y=220:GOSUB 1730
1070 FOR I=1 TO 2000:NEXT           >TH
1080 MODE 0:WINDOW #2,1,40,25,25:RE >GD
TURN
1090 '                              >YC
1100 ' torche                       >XE
1110 '                              >XF
1120 IF torche=0 THEN 220           >TC
1130 SOUND 1,0,10,7,,1,15:SOUND 1,0 >LH
,10,7,,1,5
1140 t=t+8:EVERY 50,0 GOSUB 1190    >ZR
1150 torche=torche-1                >QW
1160 CALL 25576,FNad(torche*2+7,0), >GU
25000
1170 INK 9,23:INK 10,10:INK 11,3    >XE
1180 FOR I=1 TO VITESSE*2:NEXT:GOTO >HR
 220
1190 t=t-1                          >MG
1200 IF T=1 THEN SPEED INK 1,1:INK  >FP
9,23,0:INK 10,10,0:INK 11,3,0
1210 IF t=0 THEN i=REMAIN(0):INK 9, >QG
0:INK 10,0:INK 11,0:SPEED INK 10,10

1220 RETURN                         >EJ
1230 '                              >XJ
1240 ' boule                        >XK
1250 '                              >YA
1260 xd=x2-x1:yd=y2-y1              >RR
1270 SOUND 2,0,1,15,,,21            >QZ
1280 IF ta(a+xd/2,b+yd/2)=0 THEN 12 >XX
90 ELSE ok=1:RETURN
1290 SOUND 1,50,1,15:SOUND 2,0,1,15 >FB
,,,21
1300 CALL 25576,FNad(x2,y2),25000:t >KX
a(a,b)=0
1310 a=a+xd/2:b=b+yd/2              >QM
1320 ta(a,b)=1:CALL 25576,FNad(x2+x >ZH
d,y2+yd),sprite(10)
1330 IF ta(a,b-1)=1 THEN IF ta(a,b- >EK
2)=1 OR ta(a,b+1)=1 THEN 1380
1340 IF ta(a,b+1)=1 THEN IF ta(a,b+ >EJ
2)=1 OR ta(a,b-1)=1 THEN 1380
1350 IF ta(a-1,b)=1 THEN IF ta(a-2, >EM
b)=1 OR ta(a+1,b)=1 THEN 1380
1360 IF ta(a+1,b)=1 THEN IF ta(a+2, >EL
b)=1 OR ta(a-1,b)=1 THEN 1380
1370 RETURN                         >FE
1380 IF clef<2 THEN RETURN          >VC
1390 SOUND 1,50,1,15:SOUND 2,0,1,15 >EP
,,,2
1400 CALL 25576,FNad(xc,yc),sprite( >GG
13)
1410 clef=0:ta((xc+1)/2+1,(yc-1)/2+ >FA
1)=4
1420 RETURN                         >FA
1430 '                              >YA
1440 ' clavier                      >YB
1450 '                              >YC
1460 j=0:IF INKEY(0)=0 THEN j=1     >YB
1470 IF INKEY(2)=0 THEN j=2         >UN
1480 IF INKEY(8)=0 THEN j=4         >UY
1490 IF INKEY(1)=0 THEN j=8         >UW
1500 IF INKEY(47)=0 THEN j=16       >WU
1510 RETURN                         >FA
1520 '                              >YA
1530 ' timer                        >YB
1540 '                              >YC
1550 timer=timer-1                  >MC
1560 SOUND 1,100,2,5,0,0,15         >UV
1570 IF timer=0 THEN i=REMAIN(1)    >AJ
1580 RETURN                         >FH
1590 '                              >YH
1600 ' Presentation                 >XK
1610 '                              >YA
1620 a$=INKEY$                      >WD
1630 WHILE A$<>"":A$=INKEY$:WEND    >AP
1640 FOR i=1 TO 13:INK i,PEEK(25984 >HA
+i):NEXT:INK 10,6:CALL 25972
1650 GOSUB 1760                     >XJ
1660 MODE 1:INK 2,10:INK 3,26:PRINT >VU
 CHR$(23)+CHR$(3)
1670 TAG#1:a$="JOYSTICK    1":x=200 >WP
:y=260:GOSUB 1730
1680 A$="CLAVIER     2":x=200:y=200 >NF
:GOSUB 1730
1690 A$=INKEY$                      >XA
1700 CL=VAL(A$)-1                   >LK
1710 IF CL=1 OR CL=0 THEN MODE 0:RE >FG
TURN
1720 GOTO 1690                      >ND
1730 PLOT -2,0,1:MOVE x,y:PRINT#1,a >FB
$;
1740 PLOT -2,0,2:MOVE x+6,y-6:PRINT >JM
#1,a$;
1750 RETURN                         >FG
1760 '                              >YG
1770 ' Musique                      >YH
1780 '                              >YJ
1790 ENT -1,1,1,5,2,-1,5,1,1,5      >VM
1800 RESTORE 1800:i=1:WHILE i<>62 A >JC
ND a$=""
1810 READ s,d:a$=INKEY$             >RP
1820 IF s=0 THEN SOUND 1,0,d*40,1:S >AC
OUND 2,0,d*40,1:SOUND 4,0,d*40,1:GO
TO 1840
1830 SOUND 1,s/2,d*40,5,,1:SOUND 2, >KU
s*2,d*40,4,,1:SOUND 4,s,d*40,4
1840 i=i+1:WEND:IF a$<>"" THEN RETU >PD
RN ELSE 1800
1850 DATA 568,1,379,1,426,0.5,379,0 >LN
.5,358,1,426,1,379,3,239,1,0,0.05,2
39,1.5,253,0.5,284,1,319,1,284,3
1860 DATA 568,1,379,1,426,0.5,379,0 >LP
.5,358,1,426,1,379,3,239,1,0,0.05,2
39,1.5,253,0.5,284,1,319,1,284,3
1870 DATA 379,1,239,1,253,0.5,284,0 >GU
.5,319,1,358,1,379,2,426,1,253,1,0,
0.05,253,1,284,0.5,319,0.5,284,1,35
8,1,379,3
1880 DATA 0,0.05,379,1,239,1,253,0. >PE
5,284,0.5,319,1,358,1,426,2,506,1,3
58,1,379,1,426,0.5,379,0.5,506,1,47
8,1,568,3,0,2
1890 '                              >ZA
1900 ' lecteur tableaux             >YC
1910 '                              >YD
1920 tabl=tabl+1:IF tabl=16 THEN 10 >EL
20
1930 GOSUB 1050                     >XB
1940 FOR i=1 TO 15:INK i,0:NEXT     >YV
1950 FOR i=1 TO 20:CALL 25576,FNad( >VY
i*2-1,2),sprite(12):CALL 25576,FNad
(i*2-1,23),sprite(12):ta(i,1)=3:ta(
i,12)=3:NEXT
1960 FOR i=1 TO 11:CALL 25576,FNad( >NB
0,i*2),sprite(12):CALL 25576,FNad(3
8,i*2),sprite(12):ta(1,i)=3:ta(21,i
)=3:NEXT
1970 FOR i=1 TO vie:CALL 25576,FNad >FH
(i*2-2,0),sprite(5):NEXT
1980 FOR i=1 TO torche:CALL 25576,F >LZ
Nad(i*2+5,0),sprite(11):NEXT
1990 FOR i=1 TO 15:INK i,0:NEXT     >YA
2000 SPEED INK 10,10:CLS#2          >UT
2010 FOR j=2 TO 11:READ a$:FOR i=2  >EV
TO 20:b=VAL(MID$(a$,i-1,1))
2020 ta(i,j)=b                      >RE
2030 SOUND  1,150-(j*10+i),1,7,,,2  >ZG
2040 ON b GOSUB 2110,2110,2110,2130 >KA
,2110,2120
2050 IF b=0 THEN CALL 25576,FNad((i >AQ
-1)*2-1,(j-1)*2+1),25000
2060 NEXT:NEXT                      >HG
2070 FOR i=1 TO 13:INK i,PEEK(25984 >KQ
+i):NEXT:INK 14,0,6:INK 15,6,0
2080 timer=15:EVERY 50,1 GOSUB 1520 >CH

2090 WHILE timer<>0:WEND            >UL
2100 INK 9,0:INK 10,0:INK 11,0:RETU >EB
RN
2110 CALL 25576,FNad((i-1)*2-1,(j-1 >FJ
)*2+1),sprite(9+b):RETURN
2120 x1=(i-1)*2-1:y1=(j-1)*2+1:ta(i >TQ
,j)=0:CALL 25576,FNad(x1,y1),sprite
```



```
(4):ja=2:RETURN
2130 xc=(i-1)*2-1:yc=(j-1)*2+1:ta(i >PE
,j)=0:CALL 25576,FNad(xc,yc),25000:
clef=2:RETURN
2140 '                              >XK
2150 ' data tableaux                >YA
2160 '                              >YB
2170 DATA 0003603005333330000       >VC
2180 DATA 0003003000333330000       >VR
2190 DATA 0403203000333330001       >VA
2200 DATA 0000003000333331010       >VH
2210 DATA 0003000000333330000       >VG
2220 DATA 3333333300333330000       >VF
2230 DATA 3333333300000000000       >VQ
2240 DATA 0000000000003333333       >VN
2250 DATA 0200000000023333333       >VU
2260 DATA 0002300032003333333       >VB
2270 '                              >YD
2280 DATA 0003000333300003000       >VP
2290 DATA 2000000333300003100       >VQ
2300 DATA 0003000000000003000       >VU
2310 DATA 0003333330300000002       >VN
2320 DATA 0000100300333303333       >VV
2330 DATA 3303303360320003333       >VK
2340 DATA 3303003333333303333       >VQ
2350 DATA 3303000000000000000       >VC
2360 DATA 0000000000001000000       >VV
2370 DATA 5003000333300003004       >VZ
2380 '                              >YF
2390 DATA 3333332000002333333       >VQ
2400 DATA 3333000000000003333       >VP
2410 DATA 3333030033300303333       >VG
2420 DATA 3330000331330000333       >VZ
2430 DATA 3330300056400300333       >VJ
2440 DATA 3330030330330030333       >VG
2450 DATA 3330000030300000333       >VV
2460 DATA 3333130000000313333       >VE
2470 DATA 3333000000000003333       >VX
2480 DATA 3333332003002333333       >VU
2490 '                              >YH
2500 DATA 2333330333330333323       >VT
2510 DATA 0333330333330100003       >VC
2520 DATA 0100000000000333303       >VJ
2530 DATA 0333330333330333305       >VU
2540 DATA 0333330333330333303       >VT
2550 DATA 0333330016000333303       >VK
2560 DATA 0000000333330000003       >VQ
2570 DATA 0333330333330333303       >VW
2580 DATA 0333330333330333304       >VY
2590 DATA 2333330000000000023       >VY
2600 '                              >YA
2610 DATA 3100000005000000003       >VE
2620 DATA 0000000033300000000       >VC
2630 DATA 0330003313133000030       >VX
2640 DATA 2003003100013003002       >VP
2650 DATA 3303003306033003033       >VK
2660 DATA 0000303100013030004       >VR
2670 DATA 3131313313133131313       >VT
2680 DATA 3000000000000000003       >VF
2690 DATA 3000000300033333003       >VB
2700 DATA 3330000303032000033       >VV
2710 '                              >YC
2720 DATA 1313131315131313131       >VL
2730 DATA 0000000000000000000       >VV
2740 DATA 3030203030303030203       >VB
2750 DATA 0000303030003000300       >VN
2760 DATA 1313131316131313131       >VR
2770 DATA 0000000000000000000       >VZ
2780 DATA 3030303020303030203       >VF
2790 DATA 0000000000000000004       >VF
2800 DATA 3131313131313131313       >VK
2810 DATA 3333333333333333333       >VF
2820 '                              >YE
2830 DATA 3330003333333330003       >VN
2840 DATA 3000300000023300303       >VU
2850 DATA 3033333033333303303       >VX
2860 DATA 3033331200000013300       >VB
2870 DATA 3000030000000003330       >VR
2880 DATA 3303000005600020000       >VA
2890 DATA 3303330000000003303       >VD
2900 DATA 3303330100000003303       >VW
2910 DATA 3300003033333033303       >VJ
2920 DATA 3333300033333000043       >VL
2930 '                              >YG
2940 DATA 0030000000003003000       >VH
2950 DATA 3002305030100060020       >VB
2960 DATA 0003000000300000030       >VK
2970 DATA 0000003000003030000       >VL
2980 DATA 0030000003000000300       >VM
2990 DATA 0000300000000300003       >VN
3000 DATA 0300103000030010300       >VA
3010 DATA 0003000030000300030       >VZ
3020 DATA 0300030300300003003       >VG
3030 DATA 2003000430003000002       >VG
3040 '                              >XK
3050 DATA 3333000303003333005       >VD
3060 DATA 3200000300003200000       >VF
3070 DATA 3333000303003333000       >VA
3080 DATA 3333003313000000033       >VZ
3090 DATA 3000000003033330033       >VW
3100 DATA 3033031333032000000       >VQ
3110 DATA 3003036300033330033       >VB
3120 DATA 3303030103000000033       >VM
3130 DATA 3003030303000000033       >VM
3140 DATA 3433000000033330000       >VT
3150 '                              >YB
3160 DATA 3000000000000000002       >VY
3170 DATA 3030004333333333330       >VQ
3180 DATA 0003033330000033330       >VZ
3190 DATA 1333033500033000000       >VA
3200 DATA 0033133333333333330       >VM
3210 DATA 0301610000003030030       >VK
3220 DATA 0033131333333030030       >VC
3230 DATA 0000030000000010030       >VY
3240 DATA 3333000000333303330       >VF
3250 DATA 3333333333333000002       >VM
3260 '                              >YD
3270 DATA 3333333333333000333       >VX
3280 DATA 3500000000000000000       >VE
3290 DATA 3333000000333330000       >VB
3300 DATA 0000000133311300000       >VE
3310 DATA 0232301330331000000       >VQ
3320 DATA 0333303311333003333       >VK
3330 DATA 0300000016100000033       >VK
3340 DATA 2303303330331033033       >VK
3350 DATA 3303301330333033033       >VM
3360 DATA 3300004331320000033       >VA
3370 '                              >YF
3380 DATA 0000033000003300000       >VK
3390 DATA 2000000000003310300       >VL
3400 DATA 0002033000000000000       >VY
3410 DATA 0000033000003300000       >VD
3420 DATA 3033333333333333303       >VX
3430 DATA 3000033000003300003       >VM
3440 DATA 3000033010003300003       >VP
3450 DATA 3000000000063300003       >VP
3460 DATA 3000033001043300003       >VW
3470 DATA 3000033000003350003       >VX
3480 '                              >YH
3490 DATA 2333300033300000000       >VZ
3500 DATA 0033000000000033300       >VG
3510 DATA 0100003333300031300       >VR
3520 DATA 0000003420333033356       >VJ
3530 DATA 0300333000333033333       >VH
3540 DATA 0300313101313000023       >VW
3550 DATA 0300333303333000003       >VD
3560 DATA 3000000000000003333       >VN
3570 DATA 3333333300333333333       >VD
3580 DATA 3200000000000000023       >VK
3590 '                              >YK
3600 DATA 3100300130300000000       >VG
3610 DATA 1503130510303333330       >VL
3620 DATA 3003330030300000230       >VU
3630 DATA 2000600000003331330       >VW
3640 DATA 3003330030303330000       >VA
3650 DATA 1503130510303110330       >VH
3660 DATA 3100300130303400330       >VC
3670 DATA 3333333333303313330       >VC
3680 DATA 0000030003000000000       >VG
3690 DATA 2030000300033333333       >VL
3700 '                              >YC
3710 DATA 3302003033330233403       >VK
3720 DATA 3303303030000003300       >VW
3730 DATA 3000000000033000330       >VM
3740 DATA 0030330000030000000       >VK
3750 DATA 0330330303330003303       >VJ
3760 DATA 0030330010603303300       >VE
3770 DATA 3030330303010300330       >VF
3780 DATA 5030330303300000300       >VE
3790 DATA 3330333030300333303       >VV
3800 DATA 3332000333000021323       >VC
```



THE ENERGY OF WOK

Stéphane DE CANEVA

Valable pour CPC 464 – 6128

1ère partie

Votre planète est menacée ! De mystérieux caissons sont apparus sur toute la planète. Ils contiennent une énergie très instable qui change de couleur. Lorsqu'elle est blanche vous pouvez l'attraper, lorsqu'elle est noire tout contact avec elle est mortel et lorsqu'elle est rouge on ne peut l'attraper (elle devient transparente). Votre planète est en sursis, un tremblement de terre et c'est la fin. Vous devez donc récupérer tous les caissons dans les régions les plus hostiles de Wok.

Les 40 tableaux des 4 niveaux du jeu sont bourrés d'astuces (bombes, clés, portes, brique se formant peu à peu...) et le maître de la région vous attend à la fin de chaque niveau, alors... SOYEZ VIGILANTS !!!



Chargement : les listings 2 à 7 génèrent 6 programmes binaires qui doivent être sauvegardés sur une autre cassette (ou disquette) que le programme 1 (Basic). Le listing 8 reliera tous ces programmes en un seul programme binaire qui devra, lui, être sauvegardé à la suite du programme Basic.

Commandes : Clavier : I = haut, J = gauche, K = droite, M = bas, barre espace = utiliser bombe ou joystick (pour le clavier les lettres doivent être positionnées en majuscule).

Astuces : pour les vies infinies (ou presque) rajouter dans le programme Basic : 35 POKE &9029,&FF.

Pour ne pas revenir au début après avoir perdu vos 3 vies, enlevez le POKE &901A,1 de la ligne 240.




```
1 '==================                                     >FA
2 '= LISTING 1       =                                    >FB
3 '= BASIC           =                                    >FC
4 '==================                                     >FD
10 CLS:SPEED INK 100,5                                    >QR
20 DATA 15,24,3,6,15,0,11,1,23,26,12,18,19,9,6,0          >MT
30 IF PEEK(&3000)=0 THEN MEMORY &48FF:LOAD"!WOK.BIN":PO >LP
KE &3000,1
40 RESTORE 20:FOR A=0 TO 15:READ K:INK A,K:NEXT           >QP
50 DEF FN LE(X)=&4CB0+(X-48)*16                           >XW
60 INK 0,0:MODE 0:BORDER 6:PAPER 0:CLS                    >FC
70 FOR A=1 TO 50:PLOT INT(RND(1)*640),INT(RND(1)*400),6 >BF
:NEXT:FOR A=1 TO 50:PLOT INT(RND(1)*640),INT(RND(1)*400
),9:NEXT:POKE &A2E2,8:POKE &A2E4,96:CALL &A29A,28,104,&
3A00
80 POKE &A2E2,8:FOR A=1 TO 96:POKE &A2E4,A:CALL &A278,2 >WU
8,200-A,&4900:NEXT
90 POKE &A2DC,0:POKE &A2DD,&9A:POKE &A2E3,8:POKE &A2E5, >WC
96:FOR A=104 TO 50 STEP -2:CALL &A2AA,28,A,&3A00,28,A-2
,&4900:NEXT
100 POKE &A2E5,32:FOR A=28 TO 34 STEP 2:CALL &A2AA,A,80 >CD
,&3B00,A+2,80,&4A00:NEXT
110 FOR A=28 TO 42 STEP 2:CALL &A2AA,A,112,&3C00,A+2,11 >LA
2,&4B00:NEXT
```



```
120 FOR A=48 TO 78 STEP 2:CALL &A2AA,28,A,&3A00,28,A+2, >YA
&4900:CALL &A2AA,44,160-A,&3C00,44,160-A-2,&4B00:NEXT
130 MOVE 630,400:DRAW 590,350,15:DRAW 580,250:DRAW 530, >GP
200:DRAW 520,150:MOVE 590,350:DRAW 520,300:DRAW 520,250
:DRAW 515,230:MOVE 520,300:DRAW 460,230:DRAW 440,150:DR
AW 470,100
140 FOR I=1 TO 300:NEXT:INK 0,15:INK 15,24:INK 14,24:FO >BZ
R K=1 TO 15:SOUND 7,0,1,(15-K)/2,0,0,K:NEXT:INK 0,0:INK
 15,0:FOR A=1 TO 40:NEXT:INK 0,15:INK 15,24:INK 14,24
150 FOR K=1 TO 15:SOUND 7,0,1,(15-K)/2,0,0,K:NEXT:INK 0 >HL
,0:INK 15,0:FOR A=1 TO 80:INK 14,6:NEXT:FOR A=1 TO 1000
:NEXT
160 INK 0,15:INK 15,24:INK 14,24:FOR K=1 TO 15:SOUND 7, >AE
0,1,(15-K)/2,0,0,K:NEXT:A$="THE;ENERGY;OF":XL=28:YL=70:
GOSUB 320:INK 0,0:INK 15,0:INK 14,6:FOR A=1 TO 2000:NEX
T:INK 5,0:INK 0,0
170 PAPER 5:CLS:INK 14,6,24:POKE &A2E2,8:POKE &A2E4,32: >FN
CALL &A278,28,11,&4900:CALL &A278,36,11,&4A00:CALL &A27
8,44,11,&4B00:A$="THE;ENERGY;OF":XL=28:YL=1:GOSUB 320:A
$="PAR":XL=37:YL=60:GOSUB 320:A$="STEPHANE;DE;CANEVA":X
L=22:YL=70:GOSUB 320
180 A$="J;OYSTICK":XL=31:YL=120:GOSUB 320:A$="K;EYBOARD >TR
":XL=31:YL=150:GOSUB 320:A$="COPYRIGHT;1990;BY;DECA;SOF
TWARE":XL=10:YL=192:GOSUB 320:INK 5,0,15:INK 0,0,15
190 READ A$,B$,C$:IF A$<>"-1" THEN SOUND 1,VAL("&"+A$), >ZN
VAL("&"+B$),VAL("&"+C$) ELSE RESTORE 360
200 I$=UPPER$(INKEY$):IF I$="K" THEN HA=73:BA=77:GA=74: >AC
DR=75:FE=32 ELSE IF I$="J" THEN HA=11:BA=10:GA=8:DR=9:F
E=88 ELSE 190
210 INK 5,0:INK 0,0:INK 14,0                            >UE
220 CLS:A$="LEVEL;01":XL=32:YL=96:GOSUB 320:FOR A=1 TO  >KL
999:NEXT
230 POKE &9136,HA:POKE &913B,BA:POKE &9145,DR:POKE &914 >WT
0,GA:POKE &914A,FE
240 POKE &901A,1:CALL &9023:GOTO 260                    >CL
250 CALL &9032                                          >JB
260 IF PEEK(&9002)=0 THEN CLS:A$="GAME;;OVER":XL=30:YL= >EJ
96:GOSUB 320:FOR A=1 TO 10:SOUND 1,2000,20,15:NEXT:RUN
270 IF PEEK(&9006)=1 THEN POKE &9006,2:CLS:A$="LEVEL;02 >YA
":XL=32:YL=96:GOSUB 320:FOR A=1 TO 999:NEXT:GOTO 250
280 IF PEEK(&9006)=2 THEN POKE &9006,3:CLS:A$="LEVEL;03 >YE
":XL=32:YL=96:GOSUB 320:FOR A=1 TO 999:NEXT:GOTO 250
290 IF PEEK(&9006)=3 THEN POKE &9006,4:CLS:A$="LEVEL;04 >ZA
":XL=32:YL=96:GOSUB 320:FOR A=1 TO 999:NEXT:GOTO 250
300 IF PEEK(&9006)=4 THEN POKE &9006,1:CLS:A$="VOTRE;PL >TV
ANETE;EST;SAUVEE":XL=16:YL=120:GOSUB 320:PEN 4:LOCATE 8
,12:PRINT"BRAVO!":FOR A=1 TO 1500:NEXT:RUN
310 END                                                 >RH
320 POKE &A2E4,8:POKE &A2E2,2:FOR A=1 TO LEN(A$)        >PP
330 B=FN LE(ASC(MID$(A$,A,1)))                          >XQ
340 CALL &A278,XL,YL,B:XL=XL+2                          >ZV
350 NEXT:RETURN                                         >MC
360 DATA 1,3,0,1DD,A,2,1,3,0                            >UH
370 DATA 1DD,A,2,1,3,0,1DD,A,2                          >WW
380 DATA 1,3,0,1DD,A,2,1,3,0                            >UK
390 DATA 1DD,A,2,1,3,0,777,64,E                         >XR
400 DATA 1,3,0,5EC,64,E,1,3,0                           >VV
410 DATA 4FB,64,E,6A6,32,E,1,3,0                        >YG
420 DATA 597,32,E,1,3,0,470,32,E                        >YH
430 DATA 1DD,A,2,1,3,0,1,3,0                            >UF
440 DATA 1DD,A,2,1,3,0,1DD,A,2                          >WU
450 DATA 1,3,0,1DD,A,2,1,3,0                            >UH
460 DATA 1DD,A,2,1,3,0,1,3,0                            >UJ
470 DATA FD,A,2,1,3,0,FD,A,2                            >VP
480 DATA 1,3,0,FD,A,2,1,3,0                             >UE
490 DATA FD,A,2,1,3,0,165,1E,2                          >WZ
500 DATA 77,19,2,6A,19,2,5E,19,2                        >YU
510 DATA 5E,19,2,5E,19,2,1,3,0                          >WU
520 DATA 77,19,2,1,3,0,77,19,2                          >WU
530 DATA 1,3,0,1,3,0,1,3,0                              >RZ
540 DATA 77,19,2,1,3,0,77,19,2                          >WW
550 DATA 5EC,19,D,4FB,19,D,3F4,19,D                     >BJ
560 DATA 777,19,D,777,19,D,1DD,19,2                     >BC
570 DATA 1,3,0,1DD,19,2,1,3,0                           >VD
580 DATA 1DD,19,2,1,3,0,5EC,19,D                        >YN
590 DATA 4FB,19,D,3F4,19,D,777,19,D                     >BM
600 DATA 777,19,D,1DD,19,2,1,3,0                        >YE
610 DATA 1DD,19,2,1,3,0,1DD,19,2                        >YH
620 DATA 1,3,0,5EC,19,D,4FB,19,D                        >YF
630 DATA 3F4,19,D,777,19,D,777,19,D                     >BG
640 DATA 1DD,19,2,1,3,0,1DD,19,2                        >YL
650 DATA 1,3,0,1DD,19,2,1,3,0                           >VC
660 DATA 3BB,19,D,2F6,19,D,27D,19,D                     >BP
670 DATA 1FA,19,D,1FA,19,D,1FA,19,D                     >BP
680 DATA 3BB,19,D,2F6,19,D,2CB,19,D                     >BC
690 DATA 353,19,D,2F6,19,D,1,3,0                        >YL
700 DATA 2CB,19,D,1,3,0,2CB,19,D                        >YT
710 DATA 1,3,0,1FA,19,D,1,3,0                           >VT
720 DATA 1FA,19,D,1FA,19,D,1FA,19,D                     >BK
730 DATA 1FA,19,C,1FA,19,B,1FA,19,A                     >BE
740 DATA 1FA,19,9,1FA,19,8,1FA,19,7                     >BY
750 DATA 1FA,19,6,1FA,19,4,1FA,19,2                     >BL
760 DATA 1DD,19,2,1,3,0,1DD,19,4                        >YR
770 DATA 1,3,0,1DD,19,6,1,3,0                           >VK
780 DATA 1DD,19,8,1,3,0,1DD,19,A                        >YP
790 DATA 1,3,0,1DD,19,C,1,3,0                           >VB
800 DATA 1DD,19,E,1DD,19,E,1DD,19,E                     >BQ
810 DATA 777,64,E,1,3,0,5EC,64,E                        >YJ
820 DATA 1,3,0,4FB,64,E,6A6,32,E                        >YM
830 DATA 1,3,0,597,32,E,1,3,0                           >VW
840 DATA 470,32,E,1DD,A,2,1,3,0                         >XA
850 DATA 1,3,0,1DD,A,2,1,3,0                            >UM
860 DATA 1DD,A,2,1,3,0,1DD,A,2                          >WA
870 DATA 1,3,0,1DD,A,2,1,3,0                            >UP
880 DATA 1,3,0,FD,A,2,1,3,0                             >UJ
890 DATA FD,A,2,1,3,0,FD,A,2                            >VW
900 DATA 1,3,0,FD,A,2,1,3,0                             >UB
910 DATA 165,1E,2,77,19,2,6A,19,2                       >ZB
920 DATA 5E,19,2,5E,19,2,5E,19,2                        >YR
930 DATA 1,3,0,77,19,2,1,3,0                            >UZ
940 DATA 77,19,2,1,3,0,1,3,0                            >UA
950 DATA 1,3,0,77,19,2,1,3,0                            >UB
960 DATA 77,19,2,77,64,F,77,64,E                        >YZ
970 DATA 77,64,D,77,64,C,77,64,B                        >YN
```



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980 DATA 77,64,A,77,64,9,77,64,8                    >YP
990 DATA 77,64,7,77,64,6,77,64,5                    >YY
1000 DATA 77,64,4,77,64,B,1,3,0                     >XG
1010 DATA 77,64,B,1,3,0,1,3,0                       >VD
1020 DATA 77,64,B,77,64,B,77,64,B                   >ZY
1030 DATA 5E,64,B,3F,64,B,3F,64,B                   >ZL
1040 DATA 3F,64,B,77,32,B,EE,32,B                   >ZG
1050 DATA 1DD,32,B,3BB,32,B,777,64,B                >CZ
1060 DATA 1,3,0,1,3,0,1,3,0                         >TU
1070 DATA 777,64,B,0,0,0,0,0,0                      >WK
1080 DATA -1,0,0,0,0,0,0,0,0                        >UE
```

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1 '=====================
2 '= LISTING 2         =
3 '= GRAPHISMES        =
4 '=====================
10 MEMORY &7FFF:DEB=&8000:LONG=&13D0:LIG=100:GOSUB 20:SAVE"W1"
,B,DEB,LONG
20 FOR A=DEB TO DEB+LONG STEP 16:SOM=0:FOR B=0 TO 15:READ A$:P
OKE A+B,VAL("&"+A$):SOM=SOM+VAL("&"+A$):NEXT:PRINT LIG:READ A$
:IF SOM<>VAL("&"+A$) THEN PRINT"ERREUR EN LIGNE";LIG:END ELSE
LIG=LIG+10:NEXT
30 RETURN
100 DATA FC,F8,FC,F8,78,78,78,78,52,52,03,52,C3,D2,F0,F0,0A36
110 DATA F4,F0,FC,F0,3C,F0,B4,F0,A1,F0,03,52,C3,D2,F0,F0,0BFB
120 DATA F4,F8,FC,F8,F0,78,B4,F0,52,F0,03,52,C3,D2,F0,F0,0BF8
130 DATA FC,F8,FC,F8,F0,78,B4,78,F0,52,03,52,C3,D2,F0,F0,0B88
140 DATA F8,F8,F8,F8,78,78,3C,78,03,52,F0,52,F0,D2,F0,F0,0ABD
150 DATA FC,F8,FC,F8,78,F0,3C,78,F0,52,03,52,C3,D2,F0,F0,0B10
160 DATA FC,F8,FC,F8,78,F0,3C,78,52,52,03,52,C3,D2,F0,F0,0A72
170 DATA FC,F8,FC,F8,F0,78,B4,78,A1,F0,A1,F0,E1,F0,F0,F0,0D4F
180 DATA F4,F0,FC,F8,78,78,B4,F0,52,52,03,52,E1,F0,F0,F0,0B16
190 DATA F4,F0,FC,F8,78,78,B4,78,F0,52,03,52,C3,F0,F0,F0,0B1E
200 DATA 00,00,00,00,00,00,00,00,00,00,00,52,C3,F0,F0,F0,03E5
210 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
220 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
230 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
240 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
250 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
260 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
270 DATA CC,D8,CC,D8,70,70,30,70,D0,D0,D0,D0,D2,D2,F0,F0,0B8C
280 DATA CC,F0,CC,D8,70,70,30,F0,D0,D0,C0,D0,C3,F0,F0,F0,0C23
290 DATA CC,D8,CC,D8,70,F0,70,F0,D0,F0,C0,D0,C3,D2,F0,F0,0CCD
300 DATA CC,F0,CC,D8,70,70,70,70,D0,D0,C0,D0,C3,F0,F0,F0,0BE3
310 DATA CC,D8,CC,D8,70,F0,30,F0,D0,F0,C0,D0,C3,D2,F0,F0,0C8D
320 DATA CC,D8,CC,D8,70,F0,30,F0,D0,F0,D0,F0,D2,F0,F0,F0,0CEA
330 DATA CC,D8,CC,D8,70,F0,70,70,D0,D0,C0,D0,C3,D2,F0,F0,0C2D
340 DATA D8,D8,D8,D8,70,70,30,70,D0,D0,D0,D0,D2,D2,F0,F0,0BA4
350 DATA CC,D8,E4,F0,B0,F0,B0,F0,E0,F0,E0,F0,C3,D2,F0,F0,0DCD
360 DATA F0,D8,F0,D8,F0,70,F0,70,F0,D0,C0,D0,C3,F0,F0,F0,0D33
370 DATA D8,D8,D8,D8,70,70,30,F0,D0,D0,D0,D0,D2,D2,F0,F0,0C24
380 DATA D8,F0,D8,F0,70,F0,70,F0,D0,F0,C0,D0,C3,D2,F0,F0,0D15
390 DATA D8,D8,CC,D8,30,70,70,70,D0,D0,D0,D0,D2,D2,F0,F0,0B98
400 DATA D8,D8,D8,D8,30,70,70,70,D0,D0,D0,D0,D2,D2,F0,F0,0BA4
410 DATA CC,D8,CC,D8,70,70,70,70,D0,D0,C0,D0,C3,D2,F0,F0,0BAD
420 DATA CC,D8,CC,D8,70,70,30,70,D0,F0,D0,F0,D2,F0,F0,F0,0BEA
430 DATA CC,D8,CC,D8,70,70,70,70,D0,D0,C0,D0,C3,D2,F0,C3,0B80
440 DATA CC,D8,CC,D8,70,70,30,F0,D0,D0,D0,D0,D2,D2,F0,F0,0C0C
450 DATA CC,D8,CC,D8,70,F0,30,70,F0,D0,C0,D0,C3,D2,F0,F0,0C0D
460 DATA CC,D8,CC,D8,B0,F0,B0,F0,E0,F0,E0,F0,E1,F0,F0,F0,0DD9
470 DATA D8,D8,D8,D8,70,70,70,70,D0,D0,C0,D0,C3,D2,F0,F0,0BC5
480 DATA D8,D8,D8,D8,70,70,70,70,D0,D0,C0,D0,E1,F0,F0,F0,0C01
490 DATA D8,D8,D8,D8,70,70,70,70,C0,D0,C0,D0,D2,D2,F0,F0,0BC4
500 DATA D8,D8,D8,D8,70,70,B0,F0,D0,D0,D0,D0,D2,D2,F0,F0,0CA4
510 DATA D8,D8,D8,D8,70,70,30,70,E0,F0,E0,F0,E1,F0,F0,F0,0C31
520 DATA CC,D8,CC,D8,F0,70,B0,F0,D0,F0,C0,D0,C3,D2,F0,F0,0D0D
530 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
540 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
550 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
560 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
570 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
580 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
590 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
600 DATA 00,00,00,00,34,44,43,30,46,46,5A,5A,5A,5A,5A,5A,0393
610 DATA 5A,5A,5A,5A,43,43,41,41,E0,E0,F2,F2,8F,8F,8F,8F,0850
620 DATA 8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,8F,08F0
630 DATA 00,50,F0,00,00,F4,29,A0,50,BC,43,52,50,96,43,D2,0699
640 DATA 50,B4,43,D2,50,B4,43,D2,F4,29,43,D2,F4,29,43,D2,0896
650 DATA 50,BC,E1,D2,50,F0,43,D2,50,BC,43,D2,50,BC,43,52,08D6
660 DATA 00,F4,29,A0,00,50,F0,00,00,B4,A1,A0,00,F0,F0,A0,0772
670 DATA 00,F0,A0,00,50,16,F8,00,A1,83,7C,A0,E1,83,69,A0,079B
680 DATA E1,83,78,A0,E1,83,78,A0,E1,83,16,F8,E1,83,16,F8,09DC
690 DATA E1,D2,7C,A0,E1,83,F0,A0,E1,83,7C,A0,A1,83,7C,A0,0A83
700 DATA 50,16,F8,00,00,F0,A0,00,50,52,78,00,50,F0,F0,00,0638
710 DATA 00,F0,F0,00,50,BC,43,A0,F4,29,C3,D2,F4,83,C3,D2,098D
720 DATA F4,83,C3,D2,F4,F8,F4,D2,F4,B4,52,D2,F4,A1,D2,D2,0CC3
730 DATA F4,78,E1,D2,F4,29,C3,D2,F4,A1,D2,D2,F4,78,E1,D2,0C29
740 DATA 50,BC,43,A0,00,F0,F0,00,50,78,A1,A0,50,A0,50,A0,07B8
750 DATA 00,F0,F0,00,50,BC,43,A0,F4,29,C3,D2,F4,29,C3,D2,0933
760 DATA F4,29,C3,D2,F4,29,C3,D2,F4,29,C3,D2,F4,29,C3,D2,0AC8
770 DATA F4,29,C3,D2,F4,29,C3,D2,F4,29,C3,D2,F4,29,C3,D2,0AC8
780 DATA 50,BC,43,A0,00,F0,F0,00,50,78,A1,A0,50,A0,50,A0,07B8
790 DATA C8,C0,C8,C4,90,90,18,90,30,30,18,30,30,30,B0,30,06C4
800 DATA 98,8C,8C,98,64,70,70,64,CC,D8,D8,CC,CC,E4,CC,E4,0A98
810 DATA 8C,A4,8C,8C,4C,E4,4C,4C,0C,0C,0C,0C,0C,0C,0C,0C,0470
820 DATA 58,58,58,58,A4,A4,A4,A4,F0,F0,F0,F0,D8,F0,F0,E4,0B4C
830 DATA F0,F0,F0,F0,30,90,A4,98,30,60,E4,30,30,C1,B0,98,0999
840 DATA F0,F0,F0,F0,A4,98,30,90,E4,30,30,60,B0,98,30,C1,0999
850 DATA F0,F0,F0,F0,30,90,A4,98,30,60,E4,30,30,C1,B0,98,0999
860 DATA F0,F0,F0,F0,A4,98,30,90,E4,30,30,60,B0,98,30,C1,0999
870 DATA 00,F0,F0,00,50,4C,0C,A0,50,98,8C,A0,50,30,8C,A0,06E8
880 DATA 50,90,8C,A0,E0,F0,64,58,F0,0C,E4,58,A4,8C,B0,8C,093C
890 DATA E4,64,E0,64,E4,30,E0,70,B0,60,70,F0,B0,C0,A4,58,09CC
900 DATA E0,90,4C,8C,E0,90,98,64,50,C0,60,70,00,F0,F0,A0,0914
910 DATA F1,D1,D1,4F,8F,E5,5A,85,F2,8F,A7,5A,DB,F0,DB,E5,0B42
920 DATA A5,A5,A7,F1,E0,4F,E5,4F,5B,F1,51,F1,A5,E5,A5,D1,0AD3
930 DATA E5,5A,F1,A7,5B,8F,4F,F1,A5,F0,A7,D1,D0,A5,D0,5A,0AAD
940 DATA DB,4F,A7,8F,A7,A5,E7,E5,4A,4F,5A,5B,F1,F1,E7,F2,0A81
950 DATA 5A,F0,F0,A5,A4,CC,CC,58,E4,30,30,D8,B0,C0,C0,70,0A2F
960 DATA B0,C1,C2,70,E0,C3,C3,D0,E0,64,C3,F0,E0,C3,8C,D0,0BCF
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970 DATA E0,92,C3,D0,E0,C3,C3,D0,B0,C1,C2,70,B0,C0,C0,70,0B7E
980 DATA E4,30,30,D8,A4,CC,CC,58,A4,0C,0C,58,5A,F0,F0,A5,08A3
990 DATA 5A,F0,5A,F0,F0,C5,E0,F0,E0,F0,4F,F0,E5,F1,5A,D0,0C28
1000 DATA A5,F0,F2,DA,F1,E5,E5,F0,F0,A7,A5,E0,D0,F1,F1,E5,0DBF
1010 DATA DA,D0,DA,A5,5A,DA,0F,F1,F0,DA,F2,DA,A5,E0,F0,5A,0BC2
1020 DATA F1,E5,D0,F2,F0,0F,A5,F0,F0,F2,5B,F0,F0,F1,F0,F1,0D1B
1030 DATA F0,F0,F0,F0,E1,03,16,78,A1,16,3C,78,A1,F0,F0,F0,0A0E
1040 DATA A1,F4,FC,F8,A1,F4,3C,78,B4,F4,29,52,A1,F4,29,D2,0A85
1050 DATA B4,F4,29,D2,A1,F4,29,D2,B4,F4,29,D2,B4,F4,29,D2,0A79
1060 DATA B4,F4,29,D2,B4,F4,29,D2,B4,F4,29,D2,F0,F0,F0,F0,0BA9
1070 DATA F4,BC,3C,29,F4,3C,3C,29,F0,BC,3C,03,F0,BC,3C,43,07C0
1080 DATA F0,B4,29,43,F0,F4,29,43,F0,F0,03,C3,F0,F0,03,C3,09AC
1090 DATA F0,F0,03,C3,F0,F0,03,C3,F0,F4,29,43,F0,B4,29,43,09AC
1100 DATA F0,BC,3C,43,F0,BC,3C,03,F4,3C,3C,29,F4,BC,3C,29,07C0
1110 DATA F0,F0,FC,FC,B4,3C,3C,29,B4,3C,3C,29,B4,3C,3C,29,07D7
1120 DATA B4,F0,FC,29,B4,B4,29,29,B4,B4,29,29,BC,BC,29,29,0807
1130 DATA BC,BC,69,29,BC,BC,69,29,BC,BC,69,29,BC,03,C3,69,0809
1140 DATA BC,3C,3C,69,BC,3C,3C,69,BC,3C,3C,69,03,03,43,C3,05E3
1150 DATA F0,E4,98,F0,A4,CC,30,C1,A4,CC,60,C3,D8,4C,98,D0,0ADC
1160 DATA 98,F0,F0,E4,30,C1,A4,CC,60,C3,A4,CC,98,D0,D8,4C,0ADC
1170 DATA F0,E4,98,F0,A4,CC,30,C1,A4,CC,60,C3,D8,4C,98,D0,0ADC
1180 DATA 98,F0,F0,E4,30,C1,A4,CC,60,C3,A4,CC,98,D0,D8,4C,0ADC
1190 DATA F0,F0,F0,F0,FC,FC,FC,FC,3C,3C,3C,3C,03,03,03,03,08AC
1200 DATA F0,F0,F0,F0,FC,FC,FC,FC,3C,3C,3C,3C,03,03,03,03,08AC
1210 DATA F0,F0,F0,F0,FC,FC,FC,FC,3C,3C,3C,3C,03,03,03,03,08AC
1220 DATA F0,F0,F0,F0,FC,FC,FC,FC,3C,3C,3C,3C,03,03,03,03,08AC
1230 DATA F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,08E8
1240 DATA F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,08E8
1250 DATA F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,08E8
1260 DATA F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,F4,29,08E8
1270 DATA 50,F0,F0,A0,F4,FC,FC,F8,B4,7C,BC,78,A1,3C,3C,52,0A83
1280 DATA A1,16,29,52,E1,03,03,D2,E1,83,43,D2,E1,C3,43,D2,081D
1290 DATA E1,83,C3,D2,E1,83,43,D2,E1,03,03,D2,A1,16,29,52,085D
1300 DATA A1,3C,3C,52,B4,7C,BC,78,F4,FC,FC,F8,50,F0,F0,A0,0A83
1310 DATA C3,C3,C3,D2,92,64,8C,70,92,CC,18,70,C6,D8,B0,58,0999
1320 DATA C6,F0,F0,70,86,F0,F0,70,92,70,B0,70,92,58,B0,70,0A18
1330 DATA 86,70,B0,D0,92,F0,F0,D2,92,F0,F0,70,92,F0,F0,70,0B7E
1340 DATA 92,F0,F0,70,C2,92,30,D2,C3,30,61,70,D2,F0,F0,F0,0A9E
1350 DATA F0,F0,F0,F0,B4,3C,3C,78,B4,03,03,78,B4,43,83,78,0888
1360 DATA B4,43,A9,78,B4,43,FC,78,FC,FC,BC,F8,BC,3C,3C,7C,09DF
1370 DATA BC,3C,3C,7C,FC,FC,BC,F8,B4,43,FC,78,B4,43,A9,78,09DF
1380 DATA B4,43,83,78,B4,03,03,78,B4,3C,3C,78,F0,F0,F0,F0,0888
1390 DATA F0,F0,F0,F0,B4,3C,3C,78,B4,03,03,78,B4,43,83,78,0888
1400 DATA B4,56,83,78,B4,FC,83,78,F4,7C,FC,FC,BC,3C,3C,7C,09C8
1410 DATA BC,3C,3C,7C,F4,7C,FC,FC,B4,FC,83,78,B4,56,83,78,09C8
1420 DATA B4,43,83,78,B4,03,03,78,B4,3C,3C,78,F0,F0,F0,F0,0888
1430 DATA F0,F4,F8,F0,B4,BC,7C,78,F4,3C,3C,F8,BC,3C,3C,7C,0A44
1440 DATA FC,BC,7C,FC,A1,BC,7C,52,E1,BC,7C,D6,E9,BC,7C,D6,0B41
1450 DATA E9,BC,7C,D6,E1,BC,7C,D6,A1,BC,7C,52,A1,BC,7C,52,0A3C
1460 DATA A1,BC,7C,52,B4,BC,7C,78,B4,BC,7C,78,F0,FC,FC,F0,0ACB
1470 DATA F0,FC,FC,F0,B4,BC,7C,78,B4,BC,7C,78,A1,BC,7C,52,0ACB
1480 DATA A1,BC,7C,52,A1,BC,7C,52,E1,BC,7C,D6,E9,BC,7C,D6,0A3C
1490 DATA E9,BC,7C,D6,E1,BC,7C,D6,A1,BC,7C,52,FC,BC,7C,FC,0B41
1500 DATA BC,3C,3C,7C,F4,3C,3C,F8,B4,BC,7C,78,F0,F4,F8,F0,0A44
1510 DATA 00,00,00,00,80,80,00,00,00,A0,00,00,50,50,00,00,0240
1520 DATA 80,50,A0,00,00,E1,52,00,50,83,7C,A0,50,96,F8,A0,0710
1530 DATA E1,16,F8,F0,E1,16,F8,F0,E1,7C,F0,F0,A1,7C,F0,F0,0BF8
1540 DATA 50,F8,F0,A0,50,F0,F0,A0,00,F0,F0,00,00,50,A0,00,0878
1550 DATA 00,00,00,00,00,00,00,00,00,F0,F0,00,50,FC,FC,A0,04C8
1560 DATA 50,7C,BC,A0,50,16,29,A0,50,83,43,A0,50,C3,43,A0,0703
1570 DATA 50,83,C3,A0,50,83,43,A0,50,16,29,A0,50,7C,BC,A0,0743
1580 DATA 50,FC,FC,A0,00,F0,F0,00,00,00,00,00,00,00,00,00,04C8
1590 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
1600 DATA 00,50,A0,00,00,F4,78,00,00,B4,52,00,00,A1,D2,00,04D5
1610 DATA 00,E1,52,00,00,A1,78,00,00,B4,F8,00,00,50,A0,00,04E8
1620 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
1630 DATA 00,CC,30,00,44,C0,C0,80,C8,82,10,C0,C8,00,00,60,0682
1640 DATA 60,00,00,60,60,80,10,C1,10,90,60,82,00,60,C1,00,0514
1650 DATA 00,10,80,00,00,10,80,00,00,10,80,00,00,10,90,20,0270
1660 DATA 00,44,C0,80,00,44,80,00,00,44,90,64,00,44,C0,90,0514
1670 DATA C3,83,03,03,96,3C,3C,7C,96,3C,3C,7C,96,F0,FC,7C,075E
1680 DATA 96,F5,AB,7C,96,F5,AB,7C,16,F5,AB,7C,16,F5,AB,7C,09C8
1690 DATA 16,FD,AB,78,16,FD,EB,78,16,FD,EB,78,16,FD,EB,78,0998
1700 DATA 16,03,C3,78,16,3C,3C,78,16,3C,3C,78,FC,FC,F8,F0,0740
1710 DATA F0,F0,F0,F0,CC,64,A4,4C,CC,98,A4,CC,CC,60,E4,4C,0B10
1720 DATA F0,F0,F0,F0,A4,4C,CC,64,A4,CC,CC,98,E4,4C,CC,60,0B10
1730 DATA F0,F0,F0,F0,CC,64,A4,4C,CC,98,A4,CC,CC,60,E4,4C,0B10
1740 DATA F0,F0,F0,F0,A4,4C,CC,64,A4,CC,CC,98,E4,4C,CC,60,0B10
1750 DATA 70,F0,E4,F0,A4,4C,D8,0C,A4,CC,70,4C,A4,98,D0,18,0958
1760 DATA A4,98,D0,F0,A4,4C,70,4C,D0,F0,A4,98,70,E4,A4,98,0A34
1770 DATA D8,58,A4,98,A4,CC,70,4C,A4,98,C0,F0,A4,CC,70,4C,09B0
1780 DATA D0,4C,A4,98,60,F0,A4,98,D8,4C,A4,98,D8,4C,70,4C,0924
1790 DATA F0,F3,5A,F0,F3,0F,DB,F3,0F,CF,0F,0F,CF,F0,F0,8F,0A37
1800 DATA F0,F3,F3,E5,F3,0F,0F,A7,0F,8F,8F,0F,4F,4F,4F,4F,07EB
1810 DATA CF,F0,E5,CF,D0,F3,F2,CA,F1,0F,5B,E0,A7,8F,8F,F2,0BE4
1820 DATA 4F,4F,4F,5B,8F,CF,CF,F0,CF,CA,F0,F3,C0,F0,F3,0F,0A93
1830 DATA DA,E5,E5,E0,E0,F1,F0,F0,F1,DA,DB,DB,F0,5B,4A,F0,0D3B
1840 DATA 5B,E5,F0,E5,E0,F0,4A,5A,5A,4F,F0,5B,F1,D0,F0,F1,0B1F
1850 DATA DB,5B,DB,5A,5A,D0,5A,F1,4A,5B,DA,DA,F0,E0,F1,5B,0A55
1860 DATA F1,DB,DA,5A,D0,D0,5A,5A,F1,F0,CF,F1,F0,E0,F1,D0,0C86
1870 DATA F0,FC,3C,43,F4,BC,29,43,F0,FC,3C,43,F4,BC,29,43,090E
1880 DATA F0,FC,3C,43,F4,BC,29,43,F0,FC,3C,43,F4,BC,29,43,090E
1890 DATA F0,FC,3C,43,F4,BC,29,43,F0,FC,3C,43,F4,BC,29,43,090E
1900 DATA F0,FC,3C,43,F4,BC,29,43,F0,FC,3C,43,F4,BC,29,43,090E
1910 DATA 3C,3C,3C,78,7C,FC,FC,F8,7C,FC,FC,F8,7C,FC,FC,F8,0B70
1920 DATA 7C,FC,FC,F8,7C,FC,FC,F8,7C,FC,FC,F8,7C,FC,FC,F8,0DB0
1930 DATA 7C,FC,FC,F8,7C,FC,FC,F8,7C,FC,FC,F8,7C,FC,FC,F8,0DB0
1940 DATA 7C,FC,FC,F8,7C,FC,FC,F8,7C,FC,FC,F8,78,F0,F0,F0,0D8C
1950 DATA 98,CC,CC,4C,98,CC,CC,4C,4C,64,8C,98,4C,64,8C,98,08A0
1960 DATA 8C,98,4C,64,8C,98,4C,64,CC,8C,64,CC,CC,4C,98,CC,08AC
1970 DATA CC,4C,98,CC,CC,8C,64,CC,8C,98,4C,64,8C,98,4C,64,08AC
1980 DATA 4C,64,8C,98,4C,64,8C,98,98,CC,CC,4C,98,CC,CC,4C,08A0
1990 DATA F0,F0,F0,F0,F4,BC,BC,3C,F4,7C,3C,3C,F4,BC,BC,3C,0AF8
2000 DATA F4,F0,F0,B4,F4,A1,03,B4,F4,A1,43,B4,F4,A1,E1,B4,0B8A
2010 DATA F4,A1,E1,B4,F4,A1,E1,B4,F4,A1,C3,B4,F4,E1,C3,B4,0CAC
2020 DATA F4,F0,F0,B4,F4,BC,BC,3C,F4,7C,3C,3C,F4,BC,BC,3C,0AC0
2030 DATA A0,00,00,50,50,50,A0,A0,00,F1,5A,00,50,A7,0F,A0,05C1
2040 DATA 50,F1,5A,A0,A1,52,A1,52,E1,52,E1,52,E1,F0,F0,D2,0A1A
2050 DATA F0,F0,F0,F0,F0,F0,F0,F0,F0,D2,E1,F0,50,F1,5A,A0,0D4E
2060 DATA 50,A7,0F,A0,00,F1,5A,00,00,50,A0,00,00,00,00,00,03E1
2070 DATA 50,F0,F0,A0,A4,4C,60,D2,A4,98,C1,D2,A4,98,C1,D2,0A90
2080 DATA F0,F0,F0,F0,F0,D0,D0,D0,F0,B0,D0,F0,A4,98,C1,D2,0D4F
2090 DATA A4,D8,E0,D2,A4,98,90,D0,A4,F0,F0,D2,A4,98,C1,D2,0BEF
2100 DATA A4,D8,E1,D2,50,4C,60,A0,00,A4,D8,00,00,50,A0,00,0737
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2110 DATA 00,F0,F0,00,50,0C,0C,A0,A4,0C,0C,58,A4,0C,0C,58,0510
2120 DATA F0,0C,0C,F0,B0,A4,58,70,E0,70,B0,D0,F0,F0,F0,F0,0AA4
2130 DATA A4,58,70,58,A4,B0,D0,58,F0,F0,F0,F0,E0,70,B0,D0,0AD0
2140 DATA F0,90,60,F0,A4,F0,F0,58,50,0C,0C,A0,00,F0,F0,00,0894
2150 DATA A0,00,00,50,A0,00,00,50,A0,00,00,50,50,50,A0,A0,04B0
2160 DATA 00,B4,F0,00,00,A1,F0,00,00,E1,F0,00,50,A1,F0,A0,0787
2170 DATA A0,B4,F0,50,00,B4,F0,00,00,F4,F0,00,00,F4,F0,00,0800
2180 DATA 50,50,A0,A0,A0,00,00,50,A0,00,00,50,A0,00,00,50,04B0
2190 DATA 00,00,F0,F0,F0,F0,00,00,00,50,4C,98,64,8C,A0,00,0684
2200 DATA 00,A4,98,60,90,64,58,00,00,F0,A4,30,90,F0,F0,00,071C
2210 DATA 50,4C,60,84,48,90,8C,A0,00,F0,18,CC,CC,70,F0,00,0784
2220 DATA 50,4C,60,30,30,90,8C,A0,A4,98,C0,C4,CC,C0,64,58,0820
2230 DATA F0,A4,98,30,C0,64,58,F0,00,A4,98,84,48,64,58,00,078C
2240 DATA 00,50,E4,30,30,D8,A0,00,00,50,E4,60,90,D8,A0,00,06A8
2250 DATA 00,A4,98,90,C0,64,58,00,00,F0,4C,24,30,8C,F0,00,0654
2260 DATA 00,A4,98,90,18,64,58,00,00,50,F0,F0,F0,F0,A0,00,0750
2270 DATA F0,F0,F0,00,00,F0,F0,F0,F0,BC,78,00,00,B4,7C,F0,09E4
2280 DATA F4,29,52,00,00,A1,16,F8,B4,43,52,F0,F0,A1,83,78,07E3
2290 DATA A1,C3,D2,FC,FC,E1,C3,52,E1,E9,D2,3C,3C,E1,D6,D2,0BC1
2300 DATA F4,7C,D2,03,03,E1,BC,F8,B4,B4,F8,C3,C3,F4,78,78,0AA7
2310 DATA A1,F0,78,00,00,B4,F0,52,B4,43,78,F0,F0,A1,83,78,08EA
2320 DATA B4,43,52,FC,FC,E1,83,78,F4,29,D2,3C,3C,E1,16,F8,0973
2330 DATA F0,BC,52,03,03,A1,7C,F0,A1,F4,78,C3,C3,B4,F8,52,09A2
2340 DATA B4,43,52,00,00,A1,83,78,F0,F0,F0,00,00,F0,F0,F0,0885
2350 DATA 00,00,00,00,00,50,A0,00,00,A4,D8,00,50,4C,CC,A0,0474
2360 DATA 50,4C,30,A0,A4,98,60,70,A4,98,90,70,A4,98,60,70,07C0
2370 DATA A4,98,90,7C,A4,98,30,D8,A4,CC,64,58,50,4C,8C,A0,0874
2380 DATA 50,0C,0C,A0,00,A4,58,00,00,50,A0,00,00,00,00,00,02F4
2390 DATA 00,88,00,00,00,20,00,00,00,20,40,00,88,00,00,00,0190
2400 DATA 88,20,00,00,20,00,00,88,44,20,20,44,20,00,80,88,0340
2410 DATA 44,64,00,44,64,00,00,64,10,90,00,10,90,00,44,64,039C
2420 DATA 98,90,00,10,90,00,44,64,98,10,88,98,10,88,10,80,0560
2430 DATA 60,10,88,98,10,88,10,80,60,40,20,60,40,20,98,00,04D0
2440 DATA 20,40,20,60,40,20,60,00,80,40,64,20,00,64,60,00,03A8
2450 DATA 80,00,64,20,00,64,20,00,00,88,90,80,20,90,80,00,0450
2460 DATA 00,00,90,80,00,90,00,88,40,00,10,00,00,10,00,00,0288
2470 DATA 00,00,00,F0,F0,00,00,00,00,00,50,83,3C,A0,00,00,038F
2480 DATA 00,00,50,D6,FC,A0,00,00,B4,3C,78,56,3C,E1,83,52,0672
2490 DATA F0,F0,F0,56,29,F0,F0,F0,F0,F8,F8,56,29,F0,F8,F8,0C5E
2500 DATA F4,FC,F8,7C,29,F4,FC,F8,F4,7C,78,7C,29,F4,7C,78,0AEA
2510 DATA B4,3C,78,7C,29,B4,3C,78,B4,16,52,7C,29,B4,16,52,0652
2520 DATA A1,03,52,7C,29,A1,03,52,A1,83,D2,7C,29,A1,83,D2,0722
2530 DATA E1,C3,D2,7C,69,E1,C3,D2,00,00,50,7C,69,A0,00,00,07A6
2540 DATA 00,00,50,7C,69,A0,00,00,00,00,00,F0,F0,00,00,00,03B5
2550 DATA F0,F0,F0,F0,F0,F0,F0,F0,A4,0C,0C,0C,0C,0C,0C,58,08C4
2560 DATA A4,CC,CC,CC,CC,CC,CC,58,A4,98,30,30,30,30,64,58,087C
2570 DATA A4,98,C0,C0,C0,C0,64,58,A4,98,C1,C3,C3,C2,64,58,09F9
2580 DATA A4,98,C1,03,03,C2,64,58,A4,98,C1,16,29,C2,64,58,073B
2590 DATA A4,98,C1,16,29,C2,64,58,A4,98,C1,03,03,C2,64,58,073B
2600 DATA A4,98,C1,C3,C3,C2,64,58,A4,98,C0,C0,C0,C0,64,58,09F9
2610 DATA A4,98,30,30,30,30,64,58,A4,CC,CC,CC,CC,CC,CC,58,087C
2620 DATA A4,0C,0C,0C,0C,0C,0C,58,F0,F0,F0,F0,F0,F0,F0,F0,08C4
2630 DATA 00,00,50,F0,F0,A0,00,00,00,00,A4,98,60,D0,00,00,053C
2640 DATA 00,50,4C,60,C1,C2,A0,00,00,50,4C,60,C3,C3,A0,00,0641
2650 DATA 00,A4,98,30,C1,C3,D2,00,00,A4,CC,CC,C9,C3,D2,00,085C
2660 DATA A0,A4,98,30,64,C9,D2,50,A0,A4,CC,CC,90,30,D2,50,0919
2670 DATA A0,F0,98,30,CC,C0,F0,F0,F0,F0,98,C0,30,61,F0,F0,0B6D
2680 DATA F0,A4,B0,C0,C0,D0,70,F0,A4,A4,D8,90,C1,B0,D0,58,0B3D
2690 DATA E4,A4,98,E4,70,98,70,D8,B0,F0,B0,C4,64,70,F0,70,0A9C
2700 DATA E0,A4,F0,C4,30,F0,D2,D0,E1,A4,98,C4,60,C3,D2,D2,0BA2
2710 DATA E1,A4,98,C4,30,C1,D2,D2,E1,A4,98,64,64,60,D2,D2,0A5F
2720 DATA 50,A4,D8,90,C0,B0,D0,A0,50,A4,D8,40,00,B0,D0,A0,0968
2730 DATA 00,A4,98,A0,50,C6,70,00,00,A4,98,D0,E1,C6,70,00,0785
2740 DATA 00,A4,98,90,C1,C6,70,00,00,A4,98,C1,60,C2,70,00,0752
2750 DATA 00,A4,F0,C1,C3,F0,D0,00,00,A4,98,F0,F0,C3,D0,00,0987
2760 DATA 00,A4,98,C1,C3,C3,D2,00,00,50,4C,70,B0,C1,A0,00,0772
2770 DATA 00,50,4C,60,C3,C3,A0,00,00,00,A4,98,C0,D2,00,00,05F0
2780 DATA 00,00,50,4C,30,A0,00,00,00,00,00,F0,F0,00,00,00,034C
2790 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
2800 DATA 00,00,00,00,00,00,00,00,00,00,F0,F0,00,00,00,00,01E0
2810 DATA 00,00,F0,16,3C,F0,00,00,00,50,83,78,F0,3C,A0,00,0549
2820 DATA 00,E1,52,F0,F0,F0,78,00,00,E1,F0,F0,FC,F0,F0,00,0A18
2830 DATA 50,52,F0,FC,FC,FC,F0,A0,50,52,F4,FC,3C,3C,F8,A0,0AB8
2840 DATA 50,78,F4,BC,3C,3C,7C,A0,B4,F0,F4,BC,3C,03,7C,F8,0913
2850 DATA F0,F0,F4,3C,29,52,F0,F0,F0,F0,F4,3C,03,52,F0,F0,0AB0
2860 DATA F0,B0,D0,3C,03,E0,70,F0,B4,F0,70,B4,52,B0,A1,78,09D2
2870 DATA B4,F0,FC,78,43,C3,83,78,B4,F0,FC,78,03,C3,03,78,0972
2880 DATA B4,F0,FC,3C,03,03,16,78,B4,F0,FC,3C,29,03,16,F8,0786
2890 DATA B4,F0,FC,3C,3C,03,B4,F8,50,78,F0,BC,3C,F0,3C,A0,0943
2900 DATA 50,78,F4,F0,F0,3C,7C,A0,50,78,F4,FC,3C,3C,FC,A0,09C0
2910 DATA 00,B4,F0,FC,BC,7C,F8,00,00,B4,78,F4,FC,FC,F8,00,09E0
2920 DATA 00,50,3C,F0,F0,FC,A0,00,00,00,F0,3C,3C,F0,00,00,0660
2930 DATA 00,00,00,F0,F0,00,00,00,00,00,00,00,00,00,00,00,01E0
2940 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
2950 DATA 50,F0,F0,F0,F0,F0,F0,A0,E1,16,E1,16,E1,16,E1,52,0AA8
2960 DATA A1,3C,A1,3C,A1,3C,A1,78,B4,7C,B4,7C,B4,7C,B4,F8,08EC
2970 DATA F4,F0,F0,F0,F0,F0,F0,F0,E1,16,78,E1,16,78,D2,0C24
2980 DATA A1,A1,3C,F8,A1,3C,78,52,B4,B4,7C,E1,52,3C,F8,78,08E0
2990 DATA F4,F0,F0,A1,78,F0,F0,F8,F0,B0,D0,B4,78,E0,70,F0,0CA1
3000 DATA E1,F0,F0,B4,78,F0,F0,78,E1,16,3C,B4,F8,C3,16,78,0A75
3010 DATA A1,3C,3C,B4,F8,83,3C,78,A1,3C,3C,F0,F0,16,3C,78,07BF
3020 DATA B4,3C,7C,E1,52,3C,3C,F8,F0,3C,F8,03,7C,B4,7C,F0,08D2
3030 DATA E1,F4,A1,B4,78,52,F8,D2,E1,F0,B4,B4,F8,78,F0,D2,0C29
3040 DATA A1,E1,F0,F0,F0,F0,D2,52,A1,E1,E1,52,52,52,D2,52,0AE3
3050 DATA B4,A1,A1,78,78,78,52,78,B4,A1,B4,F8,F8,F8,52,78,09E3
3060 DATA B4,B4,F0,F0,F0,F0,78,78,B4,B4,E1,16,3C,F8,78,78,0A9B
3070 DATA F4,B4,F0,F0,F0,F0,78,F8,F4,B4,E1,16,3C,78,78,F8,0B9B
3080 DATA 50,B4,A1,3C,3C,F8,78,A0,50,F4,F0,F0,F0,F0,F8,A0,0AC9
3090 DATA 00,F4,E1,83,16,78,F8,00,00,50,E1,16,3C,F8,A0,00,06F9
3100 DATA 00,00,A1,3C,7C,F8,00,00,00,00,50,F0,F0,A0,00,00,0521
3110 DATA 00,00,F0,F0,F0,F0,00,00,00,50,F0,F0,F0,F0,A0,00,0870
3120 DATA 00,F0,F0,F0,F0,F0,F0,00,50,F0,F0,F0,F0,F0,F0,A0,0C30
3130 DATA 50,F0,F0,F0,F0,F0,F0,A0,50,F0,F0,F0,A4,F0,F0,A0,0CD4
3140 DATA F0,F0,F0,F0,A4,F0,F0,F0,F0,F0,F0,A4,F0,F0,F0,F0,0E68
3150 DATA F0,A4,58,A4,F0,A4,58,F0,F0,4C,8C,4C,F0,4C,8C,F0,0A38
3160 DATA A4,D8,E4,4C,A4,D8,E4,58,A4,98,70,D8,E4,B0,64,58,0A38
3170 DATA A4,B0,90,F0,F0,60,70,58,F0,F0,F0,A4,F0,F0,F0,F0,0C20
3180 DATA F0,F0,F0,4C,58,F0,F0,F0,F0,F0,F0,4C,58,F0,F0,A4,0C3C
3190 DATA 58,F0,F0,A4,58,F0,F0,A4,58,F0,F0,A4,F0,F0,F0,A4,0C08
3200 DATA 58,F0,A4,F0,F0,A4,F0,A4,A4,F0,A4,F0,F0,A4,F0,58,0C08
3210 DATA F0,F0,A4,F0,A4,A4,F0,F0,F0,F0,58,F0,A4,F0,58,F0,0CA0
3220 DATA F0,F0,58,58,A4,F0,58,F0,F0,F0,58,58,A4,F0,58,F0,0AD8
3230 DATA F0,F0,F0,0C,A4,F0,A4,F0,F0,F0,F0,0C,A4,F0,A4,F0,0C08
3240 DATA 50,F0,F0,0C,F0,F0,A4,A0,50,F0,F0,A4,F0,F0,F0,A0,0BA4
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3250 DATA 00,F0,F0,A4,F0,F0,F0,00,00,50,F0,A4,F0,F0,A0,00,09B8
3260 DATA 00,00,F0,F0,F0,F0,00,00,00,00,50,F0,F0,A0,00,00,0690
3270 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
```

```
1 '=====================
2 '= LISTING 3          =
3 '= TABLEAUX1          =
4 '=====================
10 MEMORY &7FFF:DEB=&8000:LONG=&1300:LIG=100:GOSUB 20:SAVE"W2"
,B,DEB,LONG
20 FOR A=DEB TO DEB+LONG STEP 16:SOM=0:FOR B=0 TO 15:READ A$:P
OKE A+B,VAL("&"+A$):SOM=SOM+VAL("&"+A$):NEXT:PRINT LIG:READ A$
:IF SOM<>VAL("&"+A$) THEN PRINT"ERREUR EN LIGNE";LIG:END ELSE
LIG=LIG+10:NEXT
30 RETURN
100 DATA 02,02,02,02,02,02,02,02,02,02,02,02,02,02,02,02,0020
110 DATA 02,02,02,02,02,18,18,18,18,18,18,18,18,18,18,18,0112
120 DATA 18,18,18,02,18,18,18,02,02,16,18,18,18,18,18,02,0126
130 DATA 18,18,18,16,18,18,18,02,18,17,18,02,02,02,02,02,00F9
140 DATA 18,18,18,02,02,02,02,02,02,02,02,02,18,17,18,02,00A3
150 DATA 02,18,18,18,18,18,18,18,18,0E,0E,0E,0E,18,18,18,0142
160 DATA 18,17,18,02,02,18,18,18,18,18,18,18,18,0E,0E,0E,0135
170 DATA 0E,18,18,18,18,17,18,02,02,02,02,02,18,18,18,02,00F1
180 DATA 02,02,02,02,02,02,02,02,18,17,18,02,02,16,18,18,00A1
190 DATA 18,18,18,02,18,18,18,16,18,18,18,02,18,17,18,02,013B
200 DATA 02,18,18,18,18,18,18,18,18,18,18,18,18,18,18,02,0154
210 DATA 18,18,18,02,02,02,02,02,02,02,02,02,02,02,02,02,0062
220 DATA 02,02,02,02,02,02,02,02,00,00,00,00,00,00,00,00,0010
230 DATA 00,00,00,00,00,00,00,00,00,00,00,00,03,11,7F,04,0097
240 DATA 08,00,C0,58,04,10,21,3F,04,18,00,C0,58,04,10,39,0315
250 DATA 8F,03,18,18,C0,58,04,10,00,00,00,00,00,06,18,01,020D
260 DATA 01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,0010
270 DATA 01,01,01,01,19,19,19,19,0E,0E,0E,0E,0E,0E,0E,0E,00D8
280 DATA 0E,0E,0E,0E,17,17,01,01,19,19,19,01,01,01,01,01,00B8
290 DATA 01,01,01,01,01,01,01,01,01,17,01,01,16,19,19,19,0083
300 DATA 19,19,19,01,19,19,19,19,19,19,19,19,01,17,01,01,012E
310 DATA 19,19,01,19,19,19,19,01,19,16,19,16,19,16,19,19,0157
320 DATA 01,17,01,01,19,19,01,19,19,19,19,01,19,19,19,19,0116
330 DATA 19,19,19,01,01,01,01,01,19,19,01,19,16,19,19,01,00E5
340 DATA 19,16,19,16,19,16,19,01,19,16,01,01,19,19,01,19,0124
350 DATA 19,19,19,01,19,19,19,19,19,19,19,0E,19,19,01,01,013D
360 DATA 19,16,01,19,19,19,19,19,19,16,19,16,19,16,19,01,0154
370 DATA 19,16,01,01,01,01,01,01,01,01,01,01,01,01,01,01,003D
380 DATA 01,01,01,01,01,01,01,00,00,00,00,00,00,00,00,00,0007
390 DATA 00,00,00,00,00,00,00,00,00,00,00,03,05,87,04,04,0097
400 DATA 00,C0,58,04,10,11,7F,04,0C,00,C0,58,04,10,29,5F,0380
410 DATA 02,0C,0C,C0,58,04,10,00,00,00,00,00,05,19,03,03,016A
420 DATA 03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,0030
430 DATA 03,03,03,19,19,19,19,19,19,19,19,03,03,19,17,19,0120
440 DATA 19,19,16,19,19,03,03,19,19,19,19,16,19,19,19,03,0148
450 DATA 03,19,19,16,19,19,19,19,19,03,03,19,19,16,19,19,0148
460 DATA 19,19,19,0E,0E,19,19,19,19,19,17,19,19,03,03,03,0136
470 DATA 03,03,03,03,03,03,0E,03,03,0E,03,03,03,03,03,03,0046
480 DATA 03,03,03,03,03,03,03,03,03,03,0E,03,03,0E,03,03,0046
490 DATA 03,03,03,03,03,03,03,16,19,19,19,19,19,19,19,0E,00E8
500 DATA 0E,19,19,19,19,16,19,19,19,03,03,19,19,19,19,16,0153
510 DATA 19,19,19,03,03,19,19,17,19,19,19,03,03,03,03,19,010A
520 DATA 19,16,19,19,19,17,19,03,03,19,16,19,19,19,19,0E,0151
530 DATA 17,03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,0044
540 DATA 03,03,03,03,03.03,00,00,00,00,00,00,00,00,00,00,0012
550 DATA 00,00,00,00,00,00,00,00,00,00,02,15,7F,04,0C,00,00A6
560 DATA 00,59,04,10,1B,4F,01,08,00,00,59,04,10,00,00,00,014D
570 DATA 00,00,00,00,00,00,00,00,00,00,00,05,19,01,01,01,0021
580 DATA 01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,0010
590 DATA 01,01,18,18,18,18,18,18,01,18,18,18,01,18,18,18,0124
600 DATA 18,18,18,18,01,01,18,18,18,18,18,18,0E,18,17,18,0147
610 DATA 0E,18,18,18,18,16,18,18,01,01,18,18,18,18,18,18,0146
620 DATA 01,18,18,18,01,18,18,18,18,18,18,18,01,01,18,16,0122
630 DATA 18,18,18,18,01,01,01,01,01,01,01,01,18,18,18,00B1
640 DATA 01,01,0E,01,01,18,18,18,18,18,18,18,18,18,18,18,011A
650 DATA 01,18,16,18,01,01,18,18,01,18,18,18,18,18,18,18,0122
660 DATA 18,18,18,18,0E,18,18,18,01,01,17,18,01,01,01,01,00EB
670 DATA 01,01,01,18,18,18,18,18,01,18,18,18,01,01,18,18,00F6
680 DATA 0E,18,17,16,18,18,0E,18,18,18,18,18,01,16,18,18,0150
690 DATA 01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,0010
700 DATA 01,01,01,01,01,00,00,00,00,00,00,00,00,00,00,00,0005
710 DATA 00,00,00,00,00,00,00,00,00,02,29,8F,01,08,00,C0,0183
720 DATA 58,04,10,37,4F,01,08,00,00,59,04,10,00,00,00,00,0168
730 DATA 00,00,00,00,00,00,00,00,00,00,03,18,03,03,03,03,0027
740 DATA 03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,0030
750 DATA 03,18,18,18,16,18,18,18,18,03,03,18,18,16,18,18,013D
760 DATA 18,18,18,03,03,18,18,18,18,18,18,18,18,0E,0E,18,0142
770 DATA 18,18,18,18,18,16,18,03,03,18,18,18,18,18,18,18,0154
780 DATA 18,03,03,17,18,18,18,18,18,18,18,03,03,16,18,18,0129
790 DATA 18,18,18,18,18,03,03,03,03,0E,03,03,03,03,03,00A4
800 DATA 03,03,0E,03,03,18,18,18,18,03,03,03,03,03,0E,03,009A
810 DATA 03,03,03,03,03,18,18,18,03,18,18,18,18,03,03,18,00D8
820 DATA 17,18,18,18,18,16,18,03,03,18,18,18,03,18,18,18,013E
830 DATA 18,0E,0E,18,18,18,18,18,18,18,03,03,17,18,18,0141
840 DATA 03,18,18,18,18,03,03,18,18,18,17,18,17,18,18,03,012A
850 DATA 03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,0030
860 DATA 03,03,03,03,00,00,00,00,00,00,00,00,00,00,00,00,000C
870 DATA 00,00,00,00,00,00,00,03,31,2F,02,08,08,00,59,00CE
880 DATA 04,10,21,6F,03,0C,0C,00,59,04,10,05,87,04,08,00,01C4
890 DATA 00,59,04,10,00,00,00,00,00,05,18,01,02,02,02,02,0093
900 DATA 02,02,02,02,02,02,02,02,02,02,02,02,02,02,01,02,001F
910 DATA 19,19,19,19,19,19,19,19,19,19,19,19,19,19,19,19,0190
920 DATA 19,19,02,02,19,19,19,19,19,19,19,19,19,19,19,19,0162
930 DATA 19,19,19,19,19,19,02,02,19,18,18,18,18,19,19,18,015D
940 DATA 18,18,18,19,19,18,18,18,18,19,02,02,19,18,18,17,0157
950 DATA 18,19,19,18,18,18,18,19,19,18,17,18,18,19,02,02,0158
960 DATA 19,18,18,18,18,19,19,18,17,18,18,19,19,18,18,18,0184
970 DATA 18,19,02,02,19,18,18,18,18,19,19,18,18,18,18,19,0159
980 DATA 19,18,18,18,18,19,02,02,19,19,19,19,19,19,19,19,015E
990 DATA 19,19,19,19,19,19,19,19,19,19,02,02,19,19,19,19,0162
1000 DATA 19,19,19,19,19,19,19,19,19,19,19,19,19,19,02,01,0161
1010 DATA 02,02,02,02,02,02,02,02,02,02,02,02,02,02,02,02,0020
1020 DATA 02,02,01,00,00,00,00,00,00,00,00,00,00,00,00,00,0005
1030 DATA 00,00,00,00,00,00,00,03,11,5F,02,09,09,C0,58,04,01A3
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1040 DATA 10,3D,5F,02,09,09,C0,58,04,10,25,6F,01,08,00,00,0289
1050 DATA 59,04,10,00,00,00,00,00,03,18,01,01,01,01,01,01,008E
1060 DATA 01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,19,0028
1070 DATA 01,02,02,02,02,02,02,02,02,02,02,02,02,02,02,02,001F
1080 DATA 02,01,01,19,01,01,01,01,01,01,01,01,01,01,01,01,0029
1090 DATA 01,01,01,01,01,01,01,19,19,19,19,19,0E,19,19,0E,00D2
1100 DATA 19,16,0E,19,19,19,17,19,19,01,01,19,19,19,19,19,0150
1110 DATA 0E,19,19,0E,19,19,0E,19,19,17,17,17,19,01,01,19,0139
1120 DATA 19,19,19,19,0E,19,19,0E,19,19,0E,19,19,19,17,19,016D
1130 DATA 19,01,01,19,01,01,01,01,01,01,01,01,01,01,01,01,0040
1140 DATA 01,01,01,01,01,01,01,16,01,02,02,02,02,02,02,002C
1150 DATA 02,02,02,02,02,02,02,02,02,01,01,16,01,02,02,02,0031
1160 DATA 02,02,02,02,02,02,02,02,02,02,02,02,02,01,01,01,001D
1170 DATA 01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,01,0010
1180 DATA 01,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0002
1190 DATA 00,00,00,00,00,00,03,1D,4F,02,08,08,C0,5A,04,10,01AF
1200 DATA 29,6F,01,08,00,C0,5A,04,10,35,4F,02,08,08,C0,5A,037F
1210 DATA 04,10,00,00,00,00,00,05,19,01,01,01,01,01,01,01,0039
1220 DATA 01,01,01,01,03,03,03,03,03,03,03,03,03,01,18,18,0050
1230 DATA 18,18,18,18,18,18,18,01,19,19,19,19,01,19,19,19,0159
1240 DATA 03,01,18,18,18,18,18,18,18,18,18,0E,0E,19,19,19,0143
1250 DATA 02,19,19,19,03,01,18,18,18,18,18,18,18,18,16,01,0128
1260 DATA 19,19,19,19,02,19,19,19,03,01,01,0E,01,01,01,01,00C8
1270 DATA 0E,01,01,01,19,19,19,19,02,19,19,19,03,01,18,18,00F6
1280 DATA 18,18,01,18,18,18,16,01,19,19,19,19,02,19,19,19,0141
1290 DATA 03,01,18,18,18,18,0E,18,18,18,18,01,19,19,19,19,0137
1300 DATA 02,19,19,19,03,01,18,18,18,18,01,18,18,18,18,01,0113
1310 DATA 19,19,19,19,02,19,19,19,03,01,16,18,18,18,01,16,012A
1320 DATA 18,18,18,01,19,17,17,19,01,19,19,19,03,01,01,01,00FB
1330 DATA 01,01,01,01,01,01,01,01,03,03,03,03,03,03,03,03,0020
1340 DATA 03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0003
1350 DATA 00,00,00,00,00,03,2D,4F,04,0C,00,C0,5A,04,10,39,01F6
1360 DATA 6F,03,0C,0C,C0,5A,04,10,2D,8F,04,0C,00,C0,5A,04,03A2
1370 DATA 10,00,00,00,00,00,02,18,03,03,03,01,01,01,01,01,0038
1380 DATA 01,01,01,01,01,01,01,01,01,03,03,03,03,19,01,18,0047
1390 DATA 18,18,18,18,01,18,18,01,18,18,18,18,18,01,19,03,0127
1400 DATA 03,19,01,02,18,18,18,18,01,18,18,01,18,18,18,18,0111
1410 DATA 02,01,19,03,03,19,01,02,02,01,01,18,01,01,01,01,005E
1420 DATA 18,01,01,02,02,01,19,03,03,19,01,18,01,01,18,18,00A2
1430 DATA 18,17,17,18,18,18,01,01,18,01,19,03,03,19,01,18,00FA
1440 DATA 18,18,01,01,18,18,18,18,01,01,18,18,18,01,19,03,00F9
1450 DATA 03,19,19,01,01,18,18,18,18,18,18,18,18,18,01,0128
1460 DATA 01,19,16,03,03,19,19,19,19,01,01,01,01,0E,0E,01,00BB
1470 DATA 01,01,01,19,19,19,19,03,03,19,19,19,19,19,19,19,011C
1480 DATA 19,19,19,19,19,19,19,19,19,19,19,03,03,03,03,03,0122
1490 DATA 03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,03,0030
1500 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
1510 DATA 00,00,00,00,03,21,6F,04,0C,00,C0,5A,04,10,45,7F,0295
1520 DATA 02,08,08,C0,58,04,10,25,2F,00,00,00,80,5C,08,20,0296
1530 DATA 00,00,00,00,00,02,19,04,04,04,04,04,04,04,04,04,003F
1540 DATA 04,04,04,04,04,04,04,04,04,04,04,04,1A,1A,1A,1A,0098
1550 DATA 1A,1A,1A,1A,1A,15,1A,1A,1A,1A,1A,16,1A,1A,04,04,016B
1560 DATA 1A,1A,1A,17,1A,1A,1A,1A,1A,15,1A,1A,1A,1A,1A,1A,0198
1570 DATA 1A,1A,04,04,1A,1A,1A,1A,1A,1A,1A,1A,1A,04,04,04,0132
1580 DATA 04,0E,04,04,04,04,04,04,1A,1A,1A,1A,1A,1A,1A,1A,00FA
1590 DATA 1A,04,1A,1A,1A,1A,1A,1A,1A,16,04,04,04,0D,14,0E,0125
1600 DATA 14,04,04,04,1A,04,1A,1A,17,1A,1A,1A,1A,1A,04,04,0113
1610 DATA 1A,0D,14,14,0D,1A,1A,04,04,04,1A,1A,1A,1A,1A,1A,0138
1620 DATA 1A,1A,04,04,1A,1A,1A,1A,1A,1A,1A,04,1A,04,04,0E,0126
1630 DATA 04,04,04,04,04,04,04,04,1A,1A,17,1A,1A,1A,1A,04,00D7
1640 DATA 16,1A,1A,1A,1A,1A,1A,1A,1A,1A,04,04,04,04,04,04,0118
1650 DATA 04,04,04,04,04,04,04,04,04,04,04,04,04,04,04,00,003C
1660 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
1670 DATA 00,00,00,03,31,9F,04,08,00,40,59,04,10,09,5F,04,01F8
1680 DATA 0C,00,40,59,04,10,25,2F,02,08,08,40,59,04,10,00,01CC
1690 DATA 00,00,00,00,03,1A,05,05,05,05,05,05,05,05,05,05,004F
1700 DATA 05,05,05,05,05,05,05,05,05,05,05,1B,1B,1B,1B,1B,00BE
1710 DATA 05,1B,1B,1B,1B,0E,17,05,1B,1B,1B,1B,1B,05,05,1B,0147
1720 DATA 17,1B,1B,1B,05,1B,17,1B,1B,05,05,05,1B,17,1B,16,0147
1730 DATA 1B,05,05,1B,1B,1B,1B,1B,05,1B,1B,1B,1B,1B,1B,05,0158
1740 DATA 1B,1B,1B,1B,1B,05,05,0D,14,15,15,14,15,15,0D,0D,0134
1750 DATA 0D,14,15,15,15,14,0D,0D,14,05,05,14,14,14,15,14,0111
1760 DATA 14,15,0D,14,0D,0D,0D,0D,14,14,14,0D,14,05,05,1B,0100
1770 DATA 1B,1B,1B,1B,05,1B,1B,1B,1B,1B,1B,05,1B,1B,1B,1B,0184
1780 DATA 1B,05,05,1B,17,1B,1B,1B,05,1B,17,1B,1B,1B,1B,05,0150
1790 DATA 1B,17,1B,1B,1B,05,05,1B,1B,1B,1B,1B,05,1B,1B,1B,016A
1800 DATA 1B,1B,1B,05,1B,1B,1B,1B,1B,05,05,05,05,05,05,0100
1810 DATA 05,05,05,05,05,05,05,05,05,05,05,05,05,00,00,0046
1820 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
1830 DATA 00,00,03,11,2F,02,08,08,C0,58,04,10,1D,7F,04,14,0235
1840 DATA 00,C0,58,04,10,3D,8F,04,0C,00,C0,58,04,10,00,00,0334
1850 DATA 00,00,00,07,1B,06,06,06,06,06,06,06,06,06,06,06,0064
1860 DATA 06,06,06,06,06,06,06,06,06,06,1A,1A,1A,1A,1A,0D,00CB
1870 DATA 16,1A,0D,1A,1A,1A,1A,06,1A,1A,1A,1A,06,06,1A,1A,0153
1880 DATA 1A,1A,1A,0D,14,14,14,1A,1A,1A,1A,0E,1A,1A,17,1A,0172
1890 DATA 06,06,1A,1A,1A,1A,1A,1A,1A,1A,1A,1A,1A,1A,1A,06,0164
1900 DATA 1A,1A,1A,1A,06,06,1A,1A,1A,1A,1A,1A,1A,1A,06,06,0150
1910 DATA 06,06,06,06,06,0E,06,06,06,06,06,14,0D,15,06,1A,00A0
1920 DATA 1A,1A,06,1A,1A,1A,1A,1A,1A,1A,1A,1A,06,06,1A,15,015F
1930 DATA 14,14,06,1A,1A,1A,06,1A,1A,1A,1A,1A,1A,1A,1A,1A,016C
1940 DATA 06,06,1A,15,15,0D,06,1A,1A,1A,06,1A,1A,1A,1A,1A,0139
1950 DATA 06,06,06,06,06,06,16,1A,1A,1A,06,1A,1A,1A,06,1A,00FC
1960 DATA 17,1A,17,1A,06,06,06,06,06,06,06,06,06,06,06,06,00AA
1970 DATA 06,06,06,06,06,06,06,06,06,06,06,06,06,00,00,00,004E
1980 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
1990 DATA 00,03,3D,6F,04,0C,00,00,59,04,10,0A,5F,01,0C,00,01A2
2000 DATA 00,59,04,10,1D,4F,04,08,00,00,59,04,10,00,00,00,0152
2010 DATA 00,00,03,1A,05,05,05,05,06,06,06,06,06,06,06,06,0061
2020 DATA 06,06,06,06,05,05,05,05,05,1B,1B,1B,1B,1B,1B,06,00D9
2030 DATA 1B,17,06,1B,1B,06,1B,1B,1B,1B,16,05,05,1B,1B,1B,0151
2040 DATA 1B,1B,1B,06,14,06,06,1B,1B,0E,1B,1B,1B,1B,1B,05,0147
2050 DATA 06,1B,1B,1B,1B,16,1B,1B,1B,1B,1B,1B,06,1B,1B,0181
2060 DATA 1B,1B,16,06,06,1B,1B,1B,1B,1B,1B,1B,1B,1B,1B,1B,0181
2070 DATA 1B,06,06,06,06,06,06,06,06,14,06,06,06,06,1B,0098
2080 DATA 1B,1B,1B,1B,1B,1B,1B,1B,1B,1B,1B,06,06,1B,1B,1B,0186
2090 DATA 1B,1B,06,1B,1B,06,06,06,14,14,06,06,06,06,06,06,00D0
2100 DATA 05,1B,17,1B,1B,1B,0E,0E,1B,06,14,14,14,14,14,14,013D
2110 DATA 14,14,14,05,05,1B,1B,1B,1B,1B,06,1B,1B,06,14,14,0137
2120 DATA 14,14,14,14,14,14,17,05,05,05,05,05,06,06,06,06,00C0
2130 DATA 06,06,06,06,06,06,06,06,05,05,05,05,00,00,00,00,0044
2140 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0000
2150 DATA 03,11,2F,02,0C,0C,40,59,04,10,3D,4F,01,08,00,40,01DF
2160 DATA 59,04,10,09,7F,04,08,00,40,59,04,10,00,00,00,00,01AE
2170 DATA 00,03,1B,06,06,06,06,04,04,04,04,04,04,04,04,04,005A
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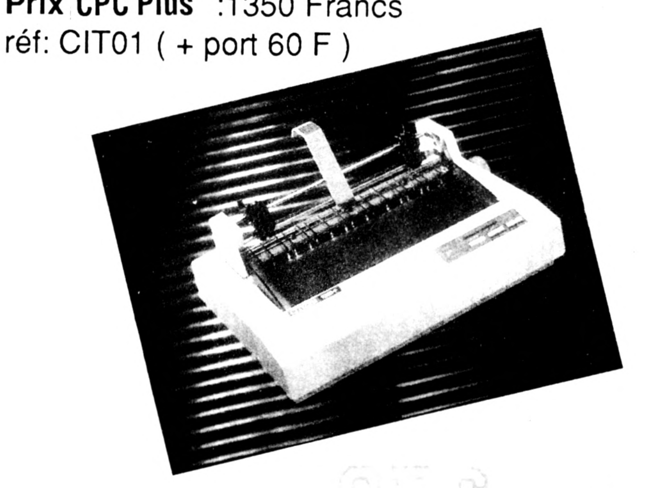
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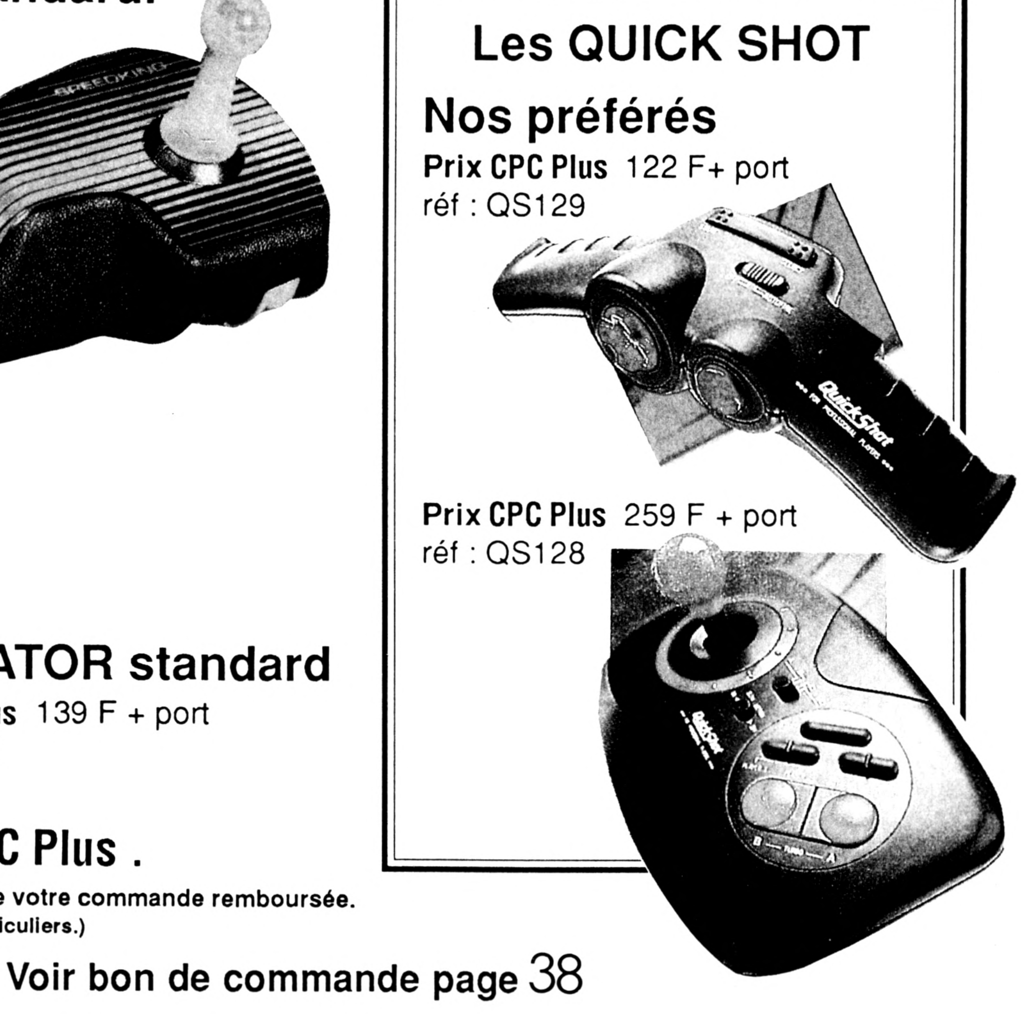
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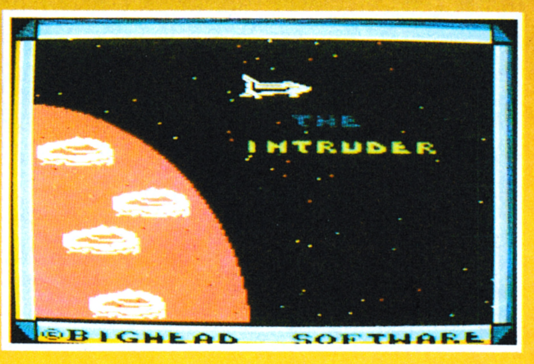
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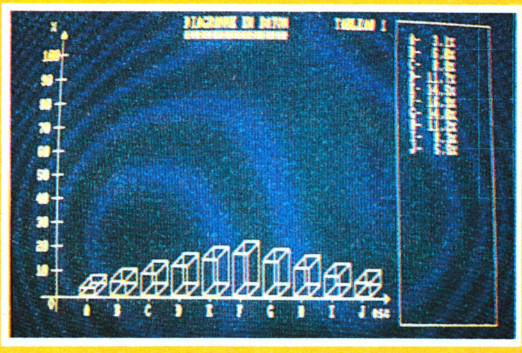
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Voir bon de commande page 38

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